

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

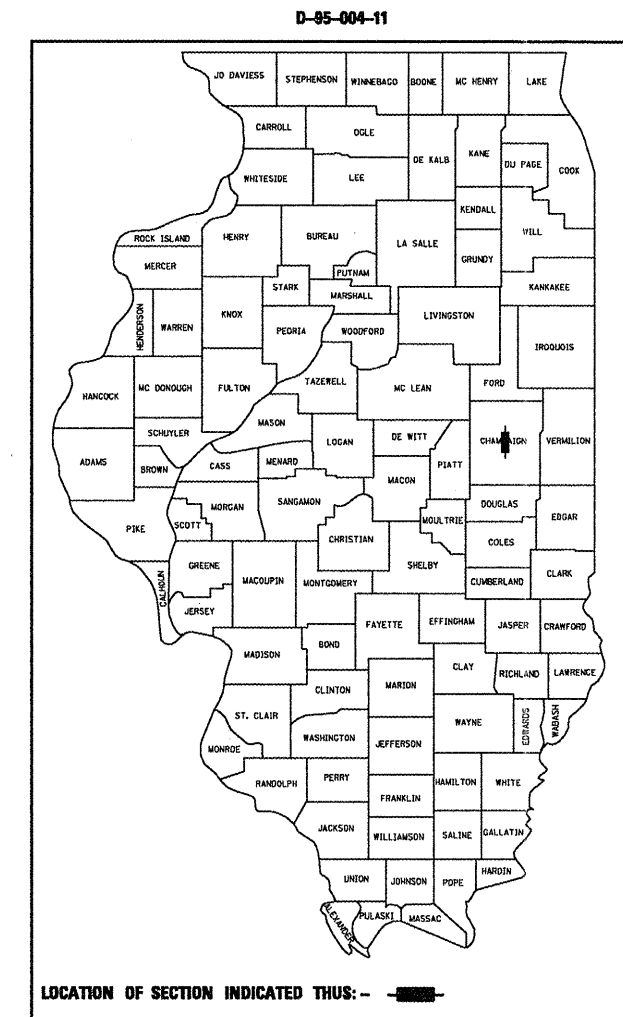
VARIOUS ROUTES
 SECTION FY2011 INTERCONNECT

SIGNAL TIMING / PROGRESSION
 CHAMPAIGN COUNTY

C-95-004-11

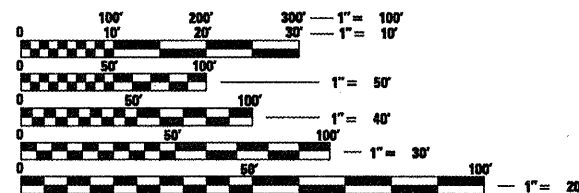
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	1
		ILLINOIS	CONTRACT NO. 70911	

FOR INDEX OF SHEETS, SEE SHEET NO. 4



FOR LOCATION MAP, SEE SHEET NO. 2 & 3

FOR TOTAL LENGTH, SEE SHEET NO. 3



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER: SCOTT NEIHART
 PROJECT MANAGER: ROGER BIGGS

CONTRACT NO. 70911

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED March 25 20 11

Joseph E. Crowe (RUC)
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 20 11
Scott E. Stitt P.E. /a
 acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 20 11
Christina M. Reed /a
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS

CHAMPAIGN COUNTY

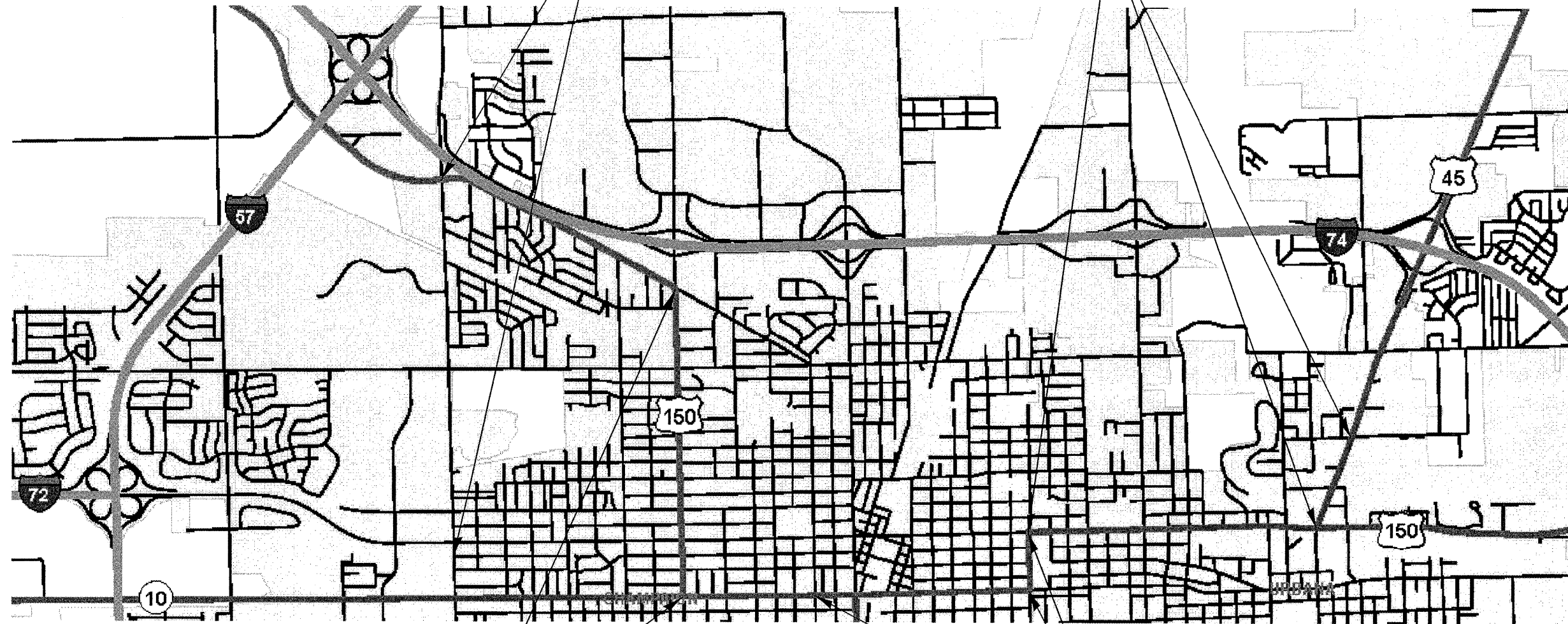
CHAMPAIGN / URBANA
LOCATIONS 1, 2, 3 & 4



LOCATION #1 - FAP 811 - US 150 (MATTIS AVE.)
BLOOMINGTON RD. TO SPRINGER DR. = 6200'
MATTIS @ CHURCH ST. = 1360'
MATTIS @ UNIVERSITY AVE = 1280'
TOTAL LENGTH = 8840'

LOCATION #4 - FAP 800 (CUNNINGHAM AVE.)
KERR AVE. TO UNIVERSITY AVE. = 2300'

LOCATION #4 - FAP 808 (UNIVERSITY AVE.)
WRIGHT ST. TO UNIVERSITY AVE. = 6100'
TOTAL LENGTH = 8400'



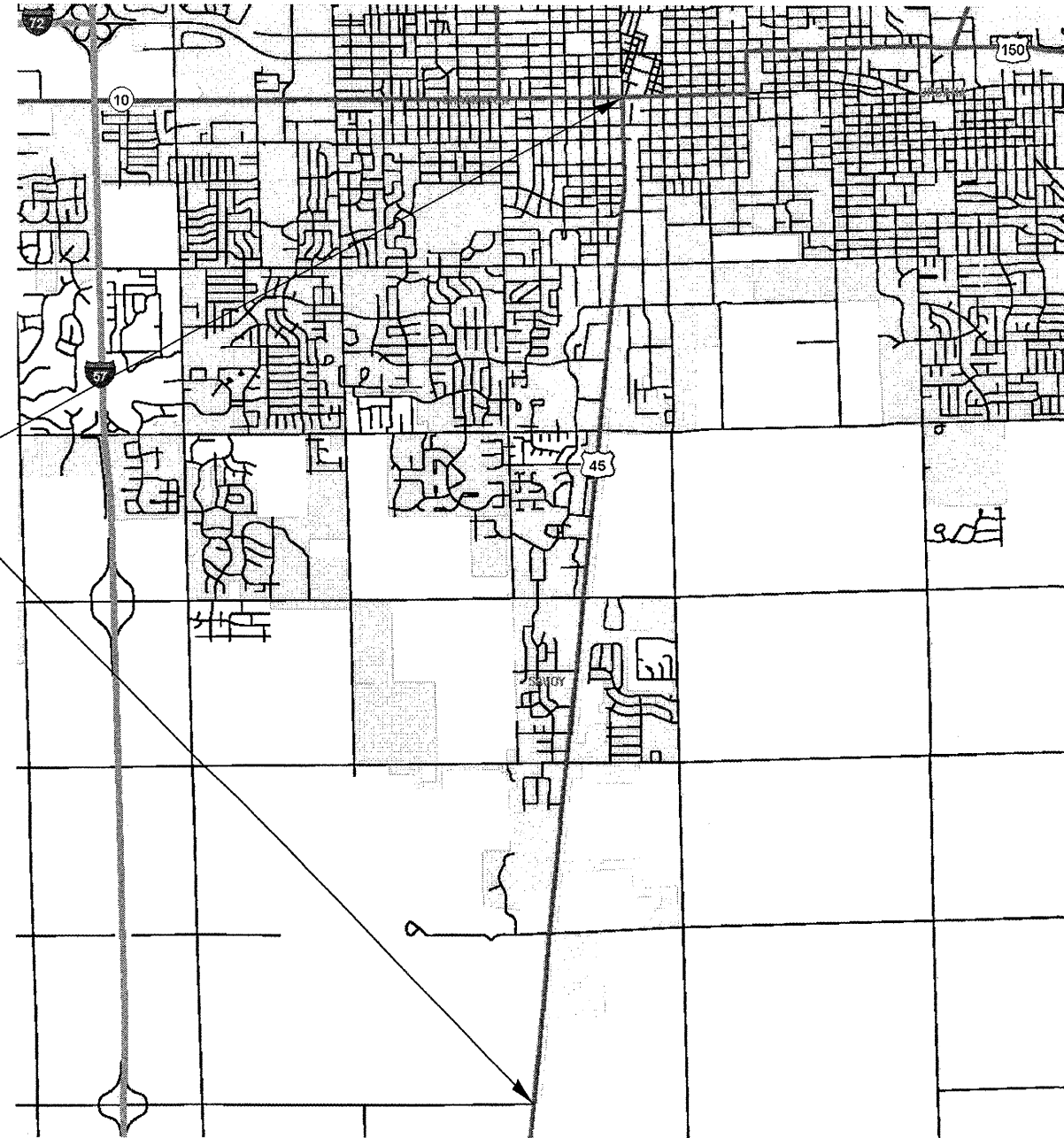
LOCATION #2 - FAP 804 (PROSPECT AVE.)
BLOOMINGTON RD. TO SPRINGFIELD AVE. = 7200'

LOCATION #3 - FAP 808 - US 150
(SPRINGFIELD AVE.) / (WRIGHT ST.)
STATE ST. TO WRIGHT ST. = 5000'
SPRINGFIELD AVE. TO UNIVERSITY AVE. = 2800'
TOTAL LENGTH = 7800'

FILE NAME *	USER NAME = bucklesjj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\dot\bucklesjj\d0261322\050711-sht-Cover.dgn	PLOT SCALE = 40,0000' / IN.	DRAWN -	REVISED -					VAR.	FY2011 INTERCONNECT	Champaign	34	2
PLOT DATE = 3/25/2011	DATE -	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 70911				
					ILLINOIS FED. AID PROJECT							

CHAMPAIGN COUNTY

CHAMPAIGN / URBANA
LOCATION 5



US 45 (DUNLAP AVE / NEIL ST)
SPRINGFIELD AVE TO MONTICELLO RD
= 32,750

TOTAL CONTRACT LENGTH = 64,990 FT. (12.31 MILES)

FILE NAME = c:\pw\work\p\dot\bucklesj\0261322\0570911-sht-Cover.dgn	USER NAME = bucklesj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	3
CONTRACT NO. 70911				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

1	COVER SHEET
2 - 3	LOCATION MAP
4	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
5	SUMMARY OF QUANTITIES
6 - 10	LOCATION 1 - MATTIS AVE.
11 - 13	LOCATION 2 - PROSPECT AVE.
14 - 18	LOCATION 3 - SPRINGFIELD AVE. & WRIGHT ST.
19 - 23	LOCATION 4 - CUNNINGHAM AVE. & UNIVERSITY AVE.
24 - 34	LOCATION 5 - US RTE 45

GENERAL NOTES

G.N. - 100 ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.07 EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL NOTIFY THE DISTRICT OPERATIONS ENGINEER TWO WEEKS PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES. THE STATE WILL THEN LOCATE AND MARK THE HORIZONTAL LOCATIONS OF THE LINES AND PROVIDE ANY AVAILABLE INFORMATION AS TO THEIR DEPTH. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.) THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY. THE CONTRACTOR SHALL COORDINATE THE LOCATING OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

HIGHWAY STANDARDS

Standard	Description
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701006-03	OFF-ROAD OPERATIONS, 2L 2W 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE.
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-04	URBAN LANE CLOSURE, 2L 2W UNDIVIDED
701406-06	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, SPEEDS > 45 MPH TO 55 MPH
701602-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
814001-02	HANDHOLES
857001-01	STD PHASE DESIGNATION DIAGRAMS & PHASE SEQUENCE
878001-08	CONCRETE FOUNDATION DETAILS

701421-03

FILE NAME =	USER NAME = bucklesJJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwwork\pwwidat\bucklesJJ\d0261322\0570911-sht-Cover.dgn	0911-sht-Cover.dgn	DRAWN -	REVISED -			VAR.	FY2011 INTERCONNECT	Champaign	34	4
PLOT SCALE = 40,0000 ' / IN.	CHECKED -	REVISIED -				CONTRACT NO. 70911				
PLOT DATE = 3/25/2011	DATE -	REVISED -				[ILLINOIS] FED. AID PROJECT				
						SCALE:	SHEET NO. OF SHEETS		STA. TO STA.	

LOCATION OF WORK:	LOCATION #1	LOCATION #2	LOCATION #3	LOCATION #4	LOCATION #5
	FAP 811 (MATTIS AVE)	FAP 804 (PROSPECT AVE)	FAP 808 (SPRINGFIELD AVE & WRIGHT ST)	FAP 800 (CUNNINGHAM AVE) & FAP 808 (UNIVERSTIY AVE)	FAP 804 (US RTE 45)
	BLOOMINGTON RD TO SPRINGER DR	BLOOMINGTON RD TO SPRINGFIELD AVE	STATE ST TO UNIVERSITY AVE	KERR AVE TO WRIGHT ST.	SPRINGFILED AVE TO MONTICELLO RD
	CHAMPAIGN CO 100 % STATE	CHAMPAIGN CO 100 % STATE	CHAMPAIGN CO 100 % STATE	CHAMPAIGN CO 100 % STATE	CHAMPAIGN CO 100 % STATE
URBAN CONSTRUCTION TYPE CODE:	0021	0021	0021	0021	0021

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1371	181	242	202	302	444
44000600	SIDEWALK REMOVAL	SQ FT	1700	225	300	250	375	550
67100100	MOBILIZATION	L SUM	1	0.11	0.12	0.15	0.49	0.13
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	8561	8				8553
81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	54390	8384	5711	5865	7235	27195
81300720	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	2	1	1			
81400100	HANDHOLE	EACH	95	14	11	10	14	46
81500130	GULFBOX JUNCTION REMOVAL	EACH	2				2	
81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	53724	7512	1265	5200	8124	31623
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	8561	8				8553
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	6			2	2	2
85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1	1				
86400100	TRANSCEIVER - FIBER OPTIC	EACH	35	5	1	7	9	13
87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	56758	8122	1304	5682	8573	33077
87900100	DRILL EXISTING FOUNDATION	EACH	1	1				
87900200	DRILL EXISTING HANDHOLE	EACH	53	9	4	14	13	13
88500100	INDUCTIVE LOOP DETECTOR	EACH	73	20		16	19	18
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	7	4	2		1	
89502220	MODIFY EXISTING CONCRETE FOUNDATION	EACH	6			2	2	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4758			87	1143	3528
X0326955	REMOVE AND RELOCATE EXISTING ELECTRICAL SERVICE	EACH	5			2	1	2
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.11	0.12	0.15	0.49	0.13
X8050115	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	2	1			1	
XX008483	RELOCATE EXISTING UPS BATTERY BACK UP SYSTEM	EACH	2	1				1
X8950105	REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	7	1		2	2	2

FILE NAME *	USER NAME *	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 70911				
PLOT DATE = 3/25/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

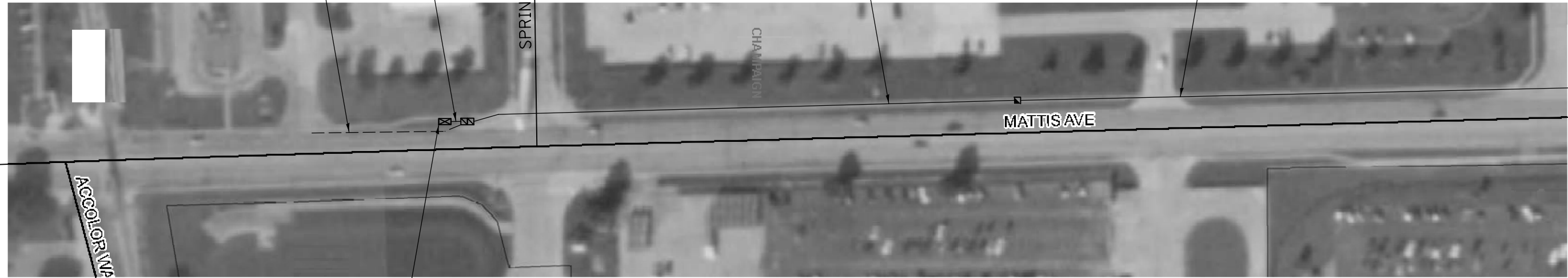


30' EXIST. PVC- 6"
 ADD: 1 FO 62.5/125 12SM 12MM;
 1 NO. 12 1C, XLP

EXIST. MM FIBER OPTIC
 INTERCONNECT TO CHURCH ST.

650' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM;
 1 NO. 12 1C, XLP
 DRILL EX. HH - 1 EA.

650' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM;
 1 NO. 12 1C, XLP



EXIST. TY. 4 CAB.
 MODIFY EXIST. CONT. CAB.- 1 EA
 (NEW DISTRIBUTION ENCLOSURE)

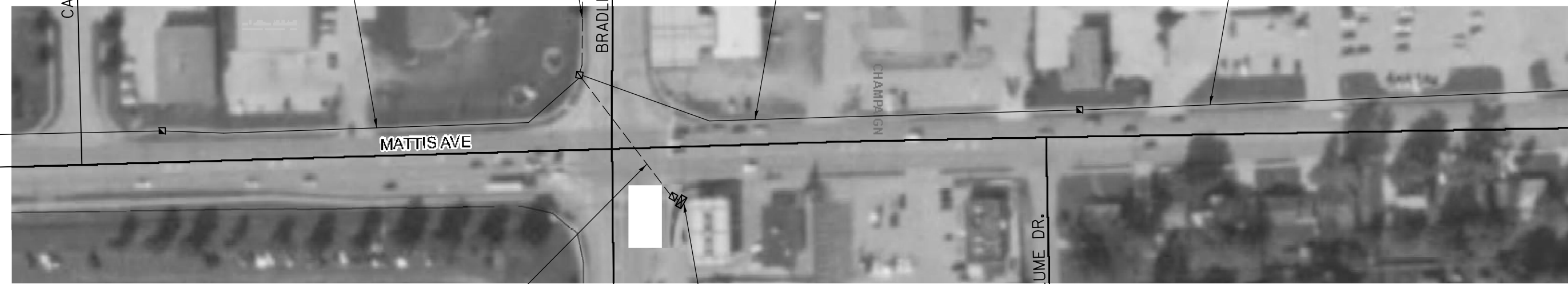


520' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM;
 1 NO. 12 1C, XLP
 DRILL EX. HH - 1 EA.

EXIST. CONDUIT W/
 FIBER OPTIC CABLE

590' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM;
 1 NO. 12 1C, XLP
 DRILL EX. HH - 1 EA.

610' PVC - 2" - P
 ADD: 1 FO 62.5/125 12SM 12MM;
 1 NO. 12 1C, XLP



170' EXIST. PVC- 2"
 W/ FIBER OPTIC CABLE

ADD: 2 FO 62.5/125 12SM 12MM;
 1 NO. 12 1C, XLP

MODIFY EXIST. CONT. CAB.- 1 EA
 (NEW DISTRIBUTION ENCLOSURE;
 NEW STAR MODEM)

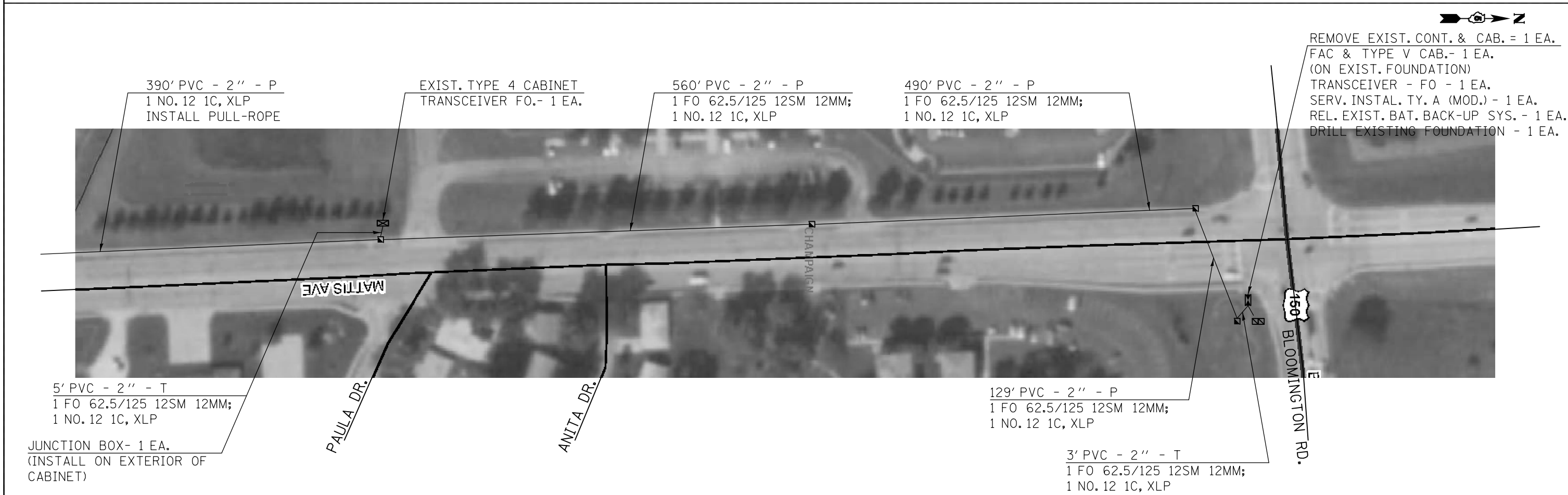
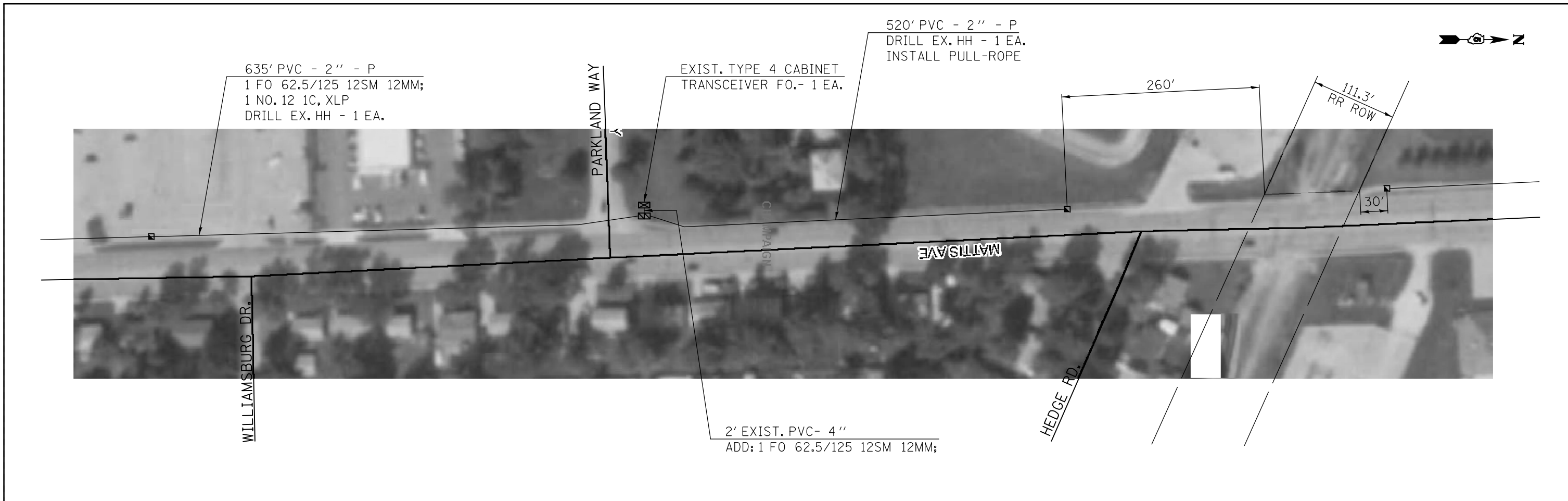
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

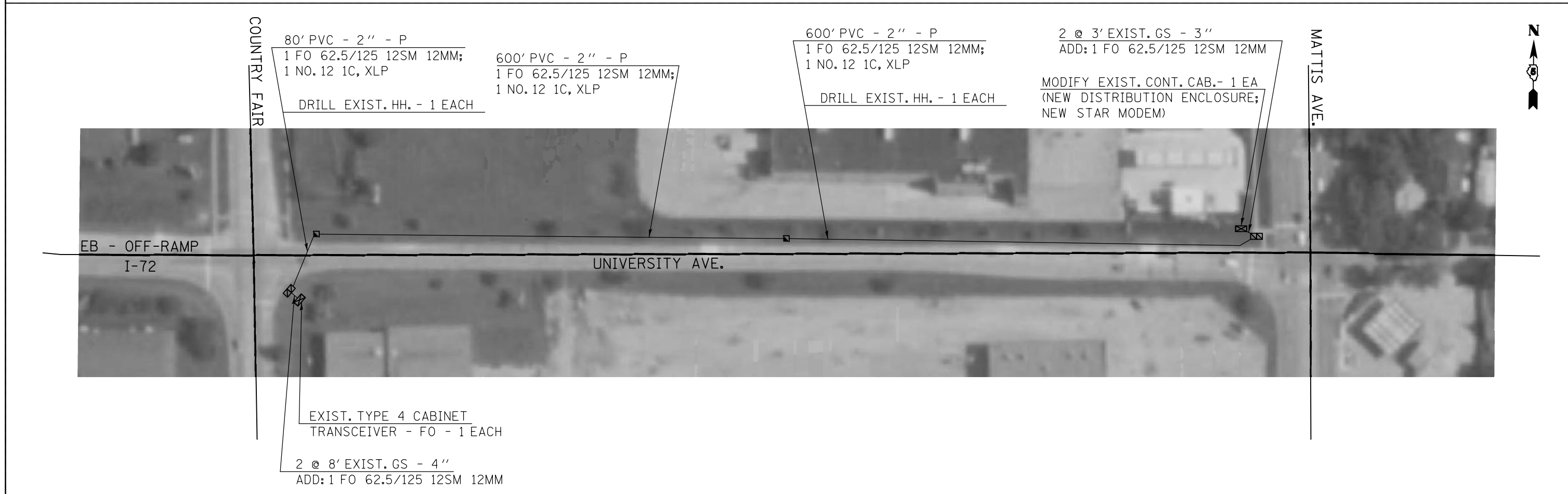
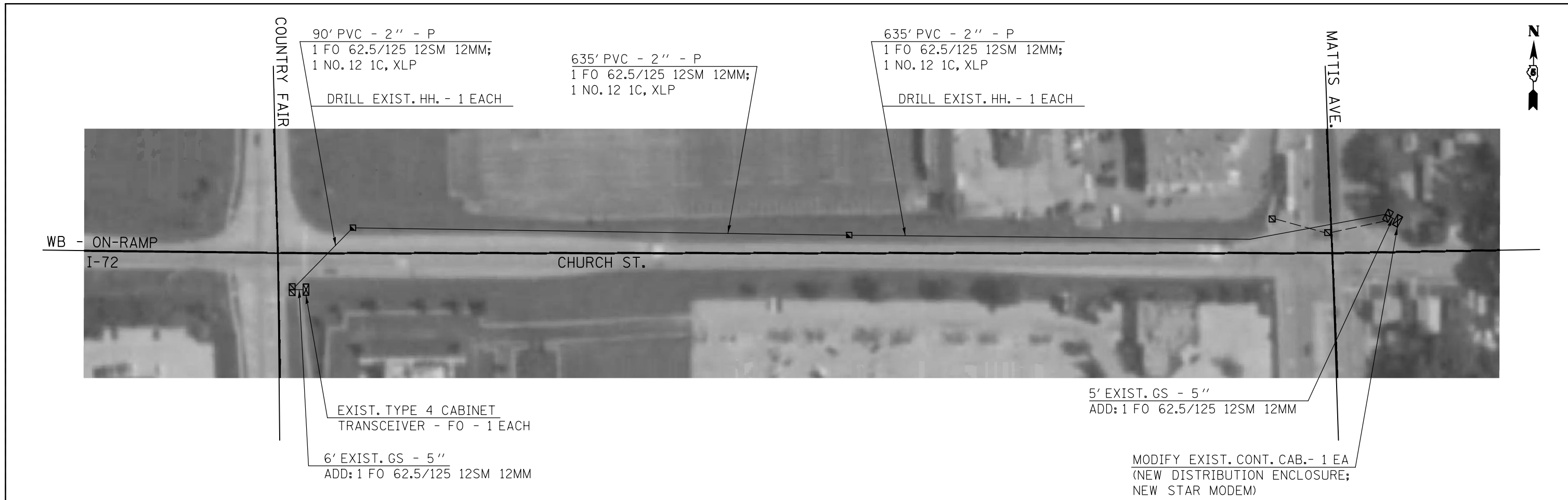
MATTIS AVE.

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	6
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MATTIS AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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	PLOT DATE = 4/12/2011	DATE -	REVISED -											ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHURCH ST & UNIVERSITY AVE (MATTIS TO COUNTRY FAIR)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\pwidot\biggsrd\0261370\0570911-sht-Mattis_plan.dgn		DRAWN -	REVISED -					VAR.	FY2011 INTERCONNECT	Champaign	34	8
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PLOT DATE = 4/12/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

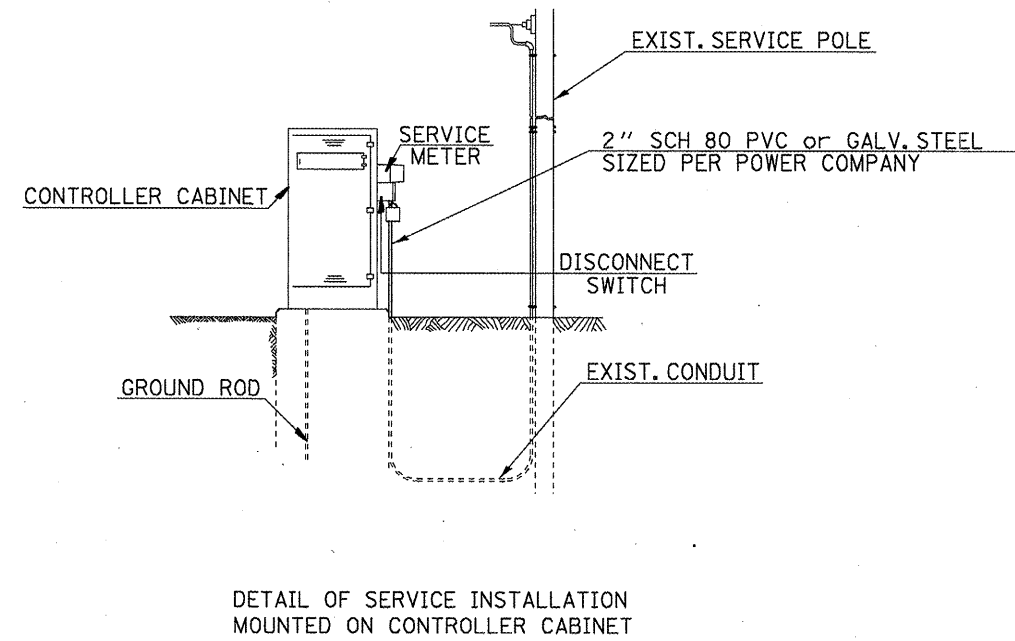
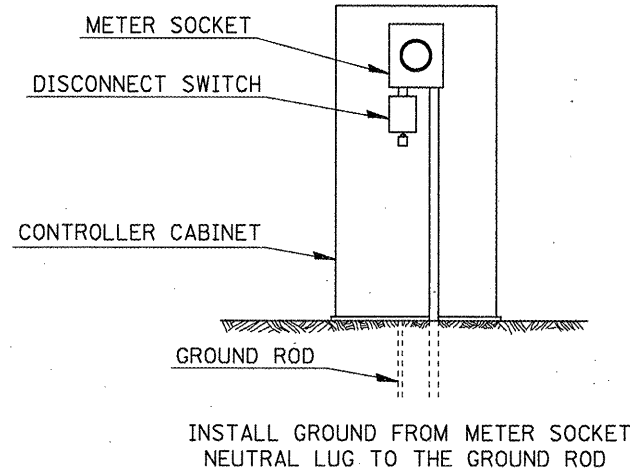
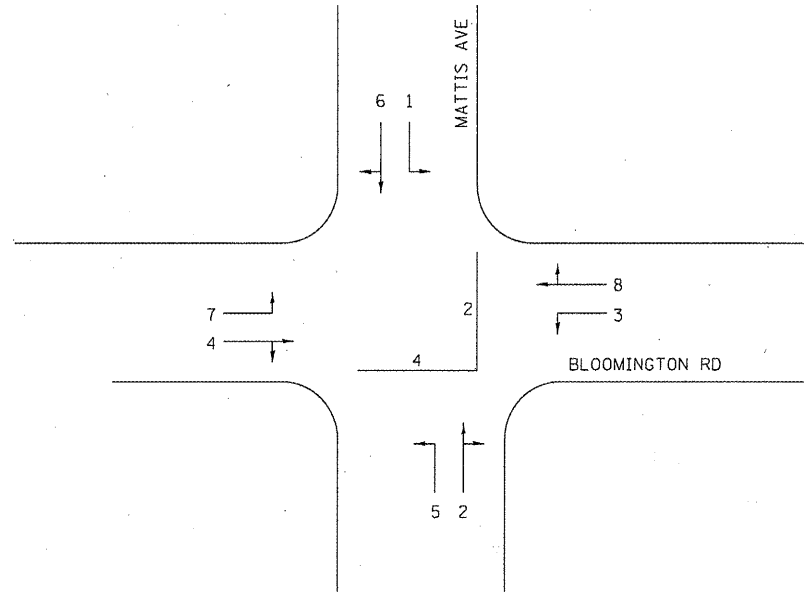
BILL OF MATERIALS
MATTIS AVE.
BLOOMINGTON RD. TO SPRINGER DR.

<u>ITEM</u>	<u>UNIT</u>	<u>QUANTITY</u>
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	8
CONDUIT PUSHED, 2" DIA., PVC	FOOT	8384
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"	EACH	1
HANDHOLE	EACH	14
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	7512
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	8
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	5
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	8122
DRILL EXISTING HANDHOLE	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	20
MODIFY EXISTING CONTROLLER CABINET	EACH	1
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM	EACH	1

FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MATTIS AVE. BILL OF MATERIALS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
or\pwork\pwidet\biggsrd\0261370\0570	11-shi-Mattis-Interconnect.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	FY2011 INTERCONNECT	Champaign	34	9
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	PLOT DATE = 5/5/2011	DATE -	REVISED -										
										CONTRACT NO. 70911			
<small>ILLINOIS FED. AID PROJECT</small>													

PROPOSED PHASE DESIGNATION DIAGRAM

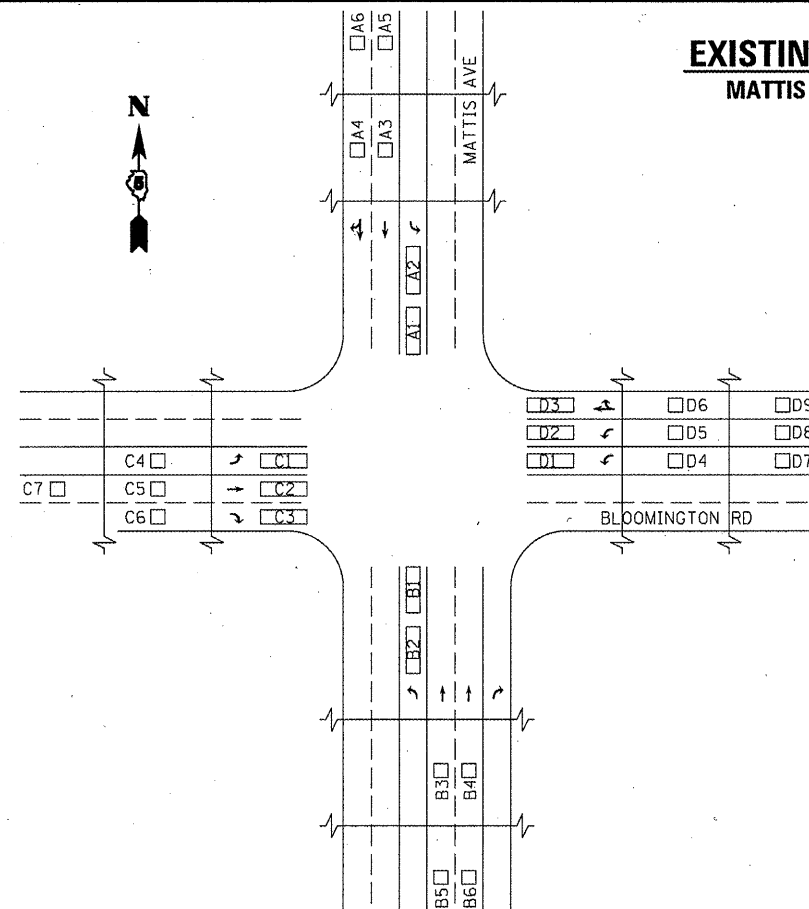
MATTIS AVE. & BLOOMINGTON RD.



SERVICE INSTALLATION, TYPE A, (MODIFIED)

EXISTING DETECTOR LOOPS

MATTIS AVE. & BLOOMINGTON RD.



LOOPS	OUTPUT	VEH.PHS.	DELAY/EXTENSION
A1-2	VD1	1	1/0
A3	SD5	6	0/0
A4	SD6	6	0/0
A5-6	VD6	6	0/0
B1-2	VD5	5	1/0
B3	SD1	2	0/0
B4	SD2	2	0/0
B5-6	VD2	2	0/0
C1	VD7	7	1/0
C2	VD4	4	0/0
C3	VD4	4	9/0
C5-6	VD4	4	0/3
C7	VD4	4	0/3
D1-2	VD3	3	1/0
D3	VD8	8	6/0
D4	SD3	3	0/0
D5	SD4	3	0/0
D6	VD8	8	0/0
D7-8	VD7	3	0/0
D9	VD8	8	0/0

DETECTOR C4 NOT USED
20 AMPLIFIERS REQUIRED

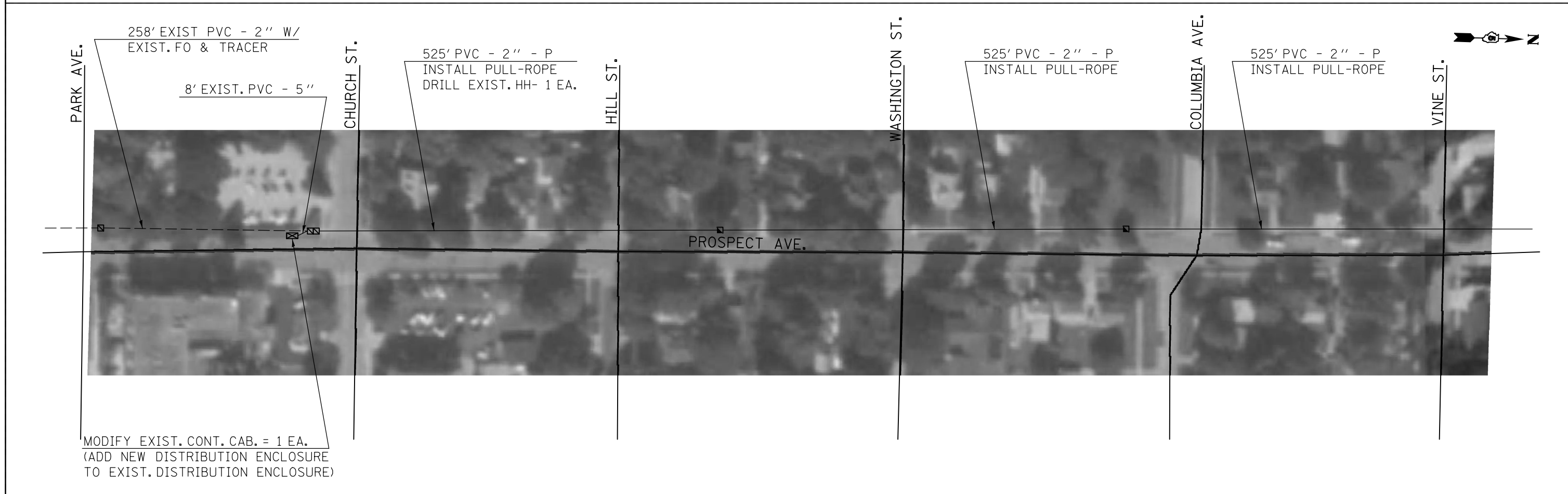
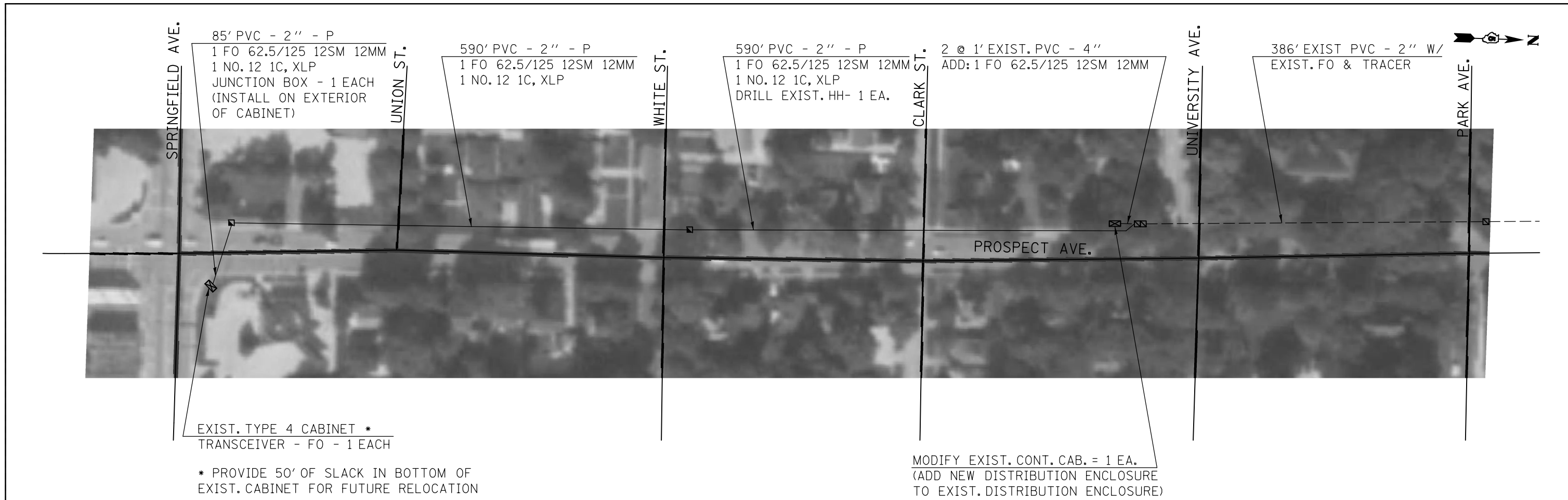
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

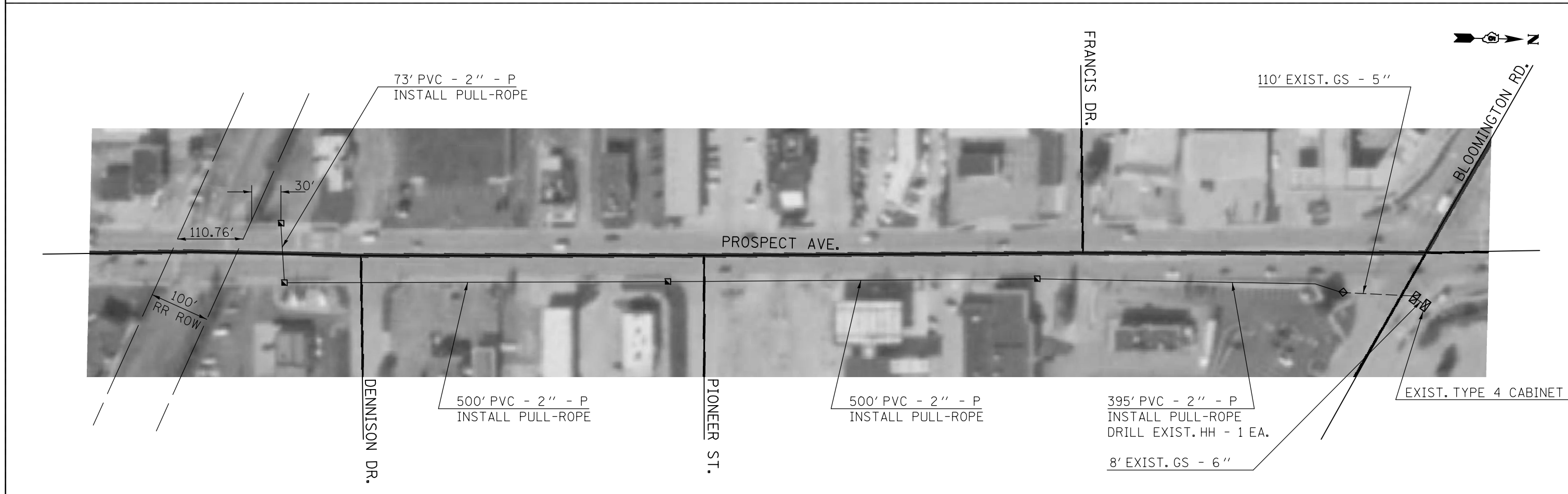
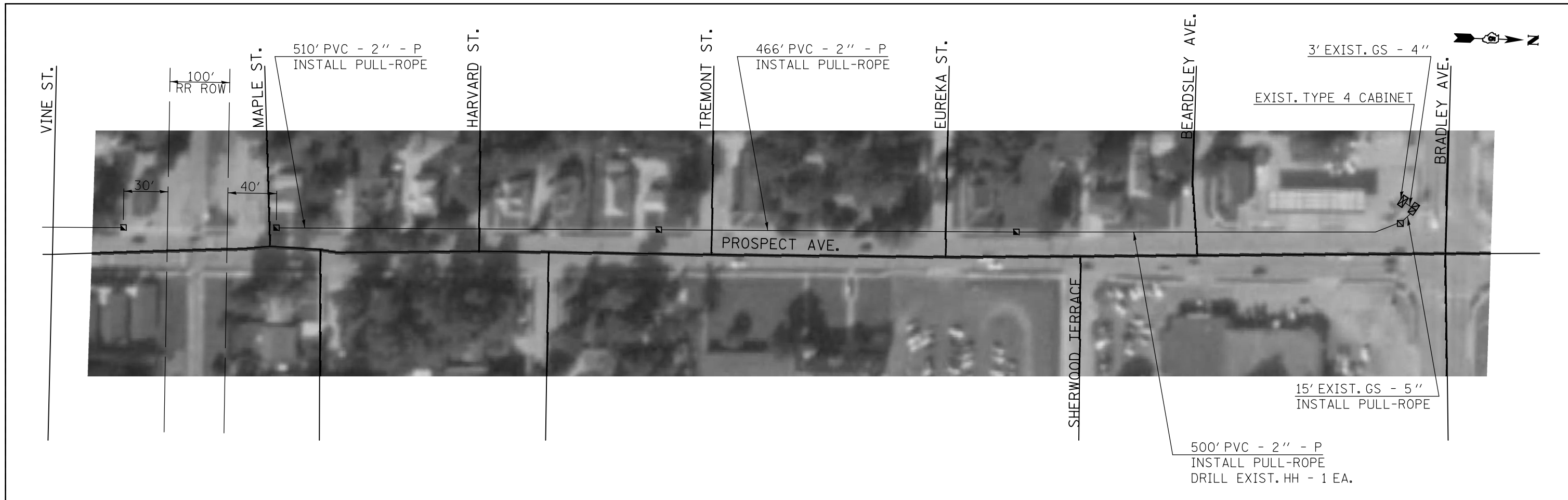
**MATTIS AVE. & BLOOMINGTON RD.
INTERCONNECT DETAILS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	10
			CONTRACT NO. 70911	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROSPECT AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		CHECKED -	REVISED -											
		DATE -	REVISED -											
	PLOT SCALE = 40.0000' / in.													
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FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROSPECT AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ct:\pw\work\p\idot\biggsrd\0261372\0570911-sht Prospect.plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	VAR.	FY2011 INTERCONNECT	Champaign	34	12
		CHECKED -	REVISED -										CONTRACT NO.	70911	
		DATE -	REVISED -										ILLINOIS FED. AID PROJECT		

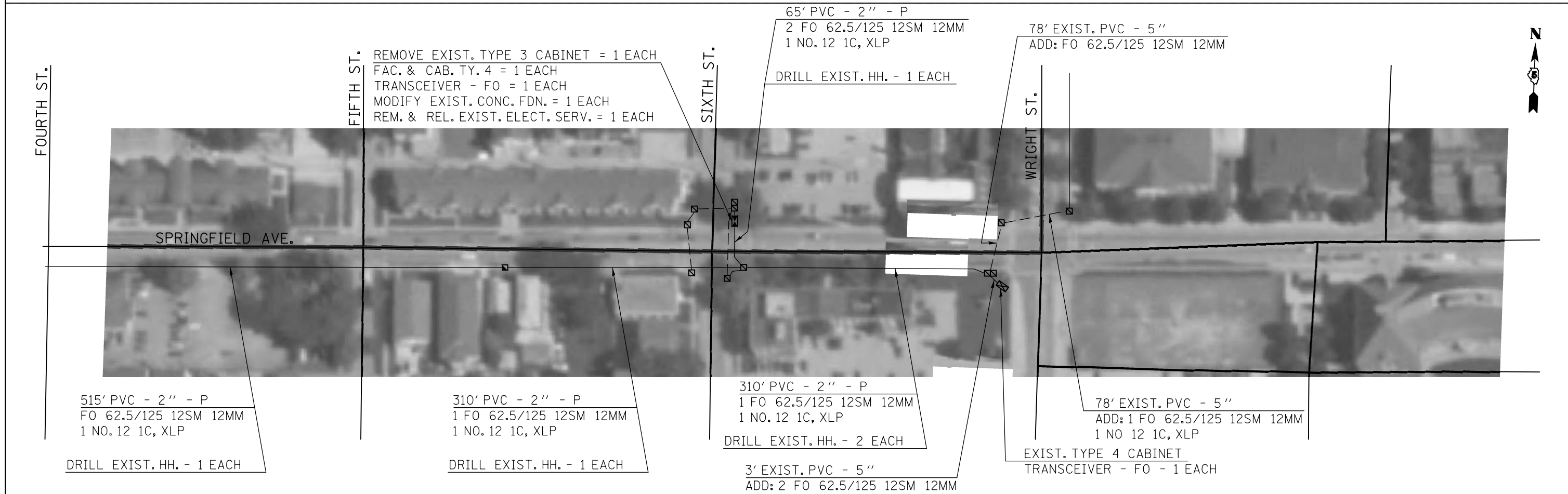
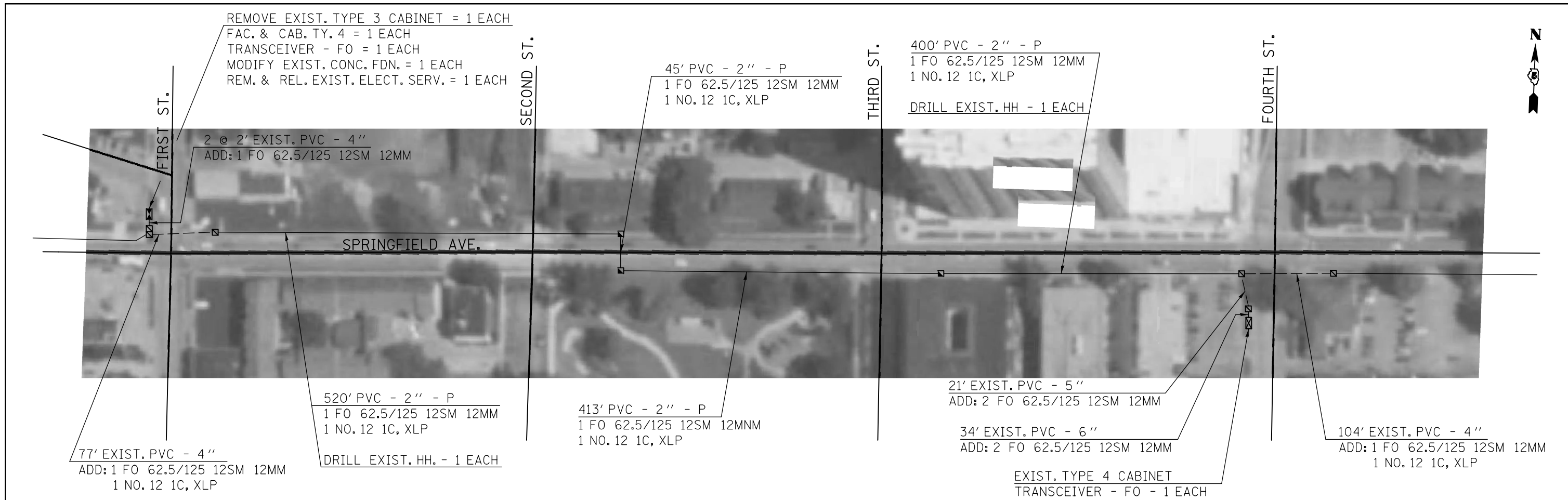
BILL OF MATERIALS
PROSPECT AVE
BLOOMINGTON RD TO SPRINGFIELD AVE

<u>ITEM</u>	<u>UNIT</u>	<u>QUANTITY</u>
CONDUIT PUSHED, 2" DIA., PVC	FOOT	5711
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16"X12"X8"	EACH	1
HANDHOLE	EACH	11
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	1265
TRANSCEIVER - FIBER OPTIC	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1304
DRILL EXISTING HANDHOLE	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	2

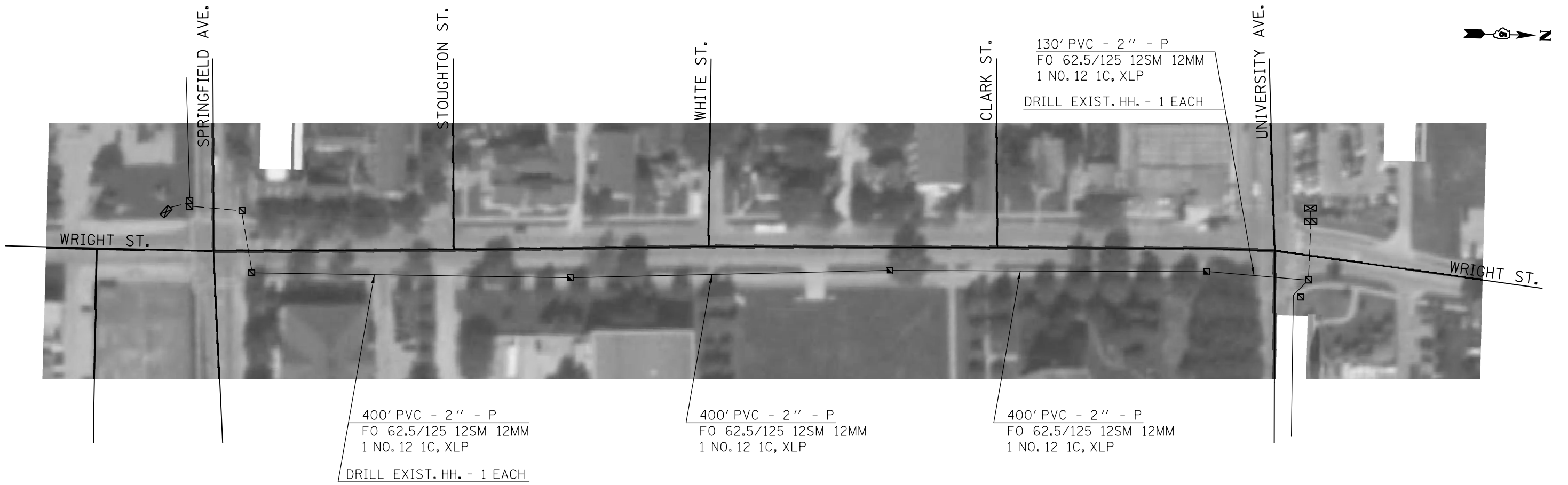
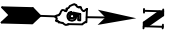
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ci:\pw\work\p\dot\biggsrd\0261372\0570	11-sht-Prospect_Details.dgn	DRAWN -	REVISED -			VAR.	FY2011 INTERCONNECT	Champaign	34	13
	PLOT SCALE = 42.5637' / in.	CHECKED -	REVISED -			CONTRACT NO. 70911				
	PLOT DATE = 4/12/2011	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pw\work\p\dot\biggsrd\d0261373\0570911-sht-Springfield.plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	VAR.	FY2011 INTERCONNECT	Champaign	34	14
		CHECKED -	REVISED -											
		DATE -	REVISED -											
	PLOT SCALE = 40.0000' / in.													
	PLOT DATE = 4/12/2011													
											CONTRACT NO. 70911			
											ILLINOIS FED. AID PROJECT			



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SPRINGFIELD AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
et:\pw\work\p\idot\biggsrd\d0261373\0570911-sht-Springfield.plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	VAR.	FY2011 INTERCONNECT	Champaign	34	15
		CHECKED -	REVISED -										CONTRACT NO.	70911	
		DATE -	REVISED -										ILLINOIS FED. AID PROJECT		



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	PLOT DATE = 4/12/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WRIGHT ST.			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	16
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				

BILL OF MATERIALS
SPRINGFIELD AVE – STATE ST. TO WRIGHT ST
WRIGHT ST. – SPRINGFIELD AVE TO UNIVERSITY AVE

ITEM	UNIT	QUANTITY
CONDUIT PUSHED, 2" DIA., PVC	FOOT	5865
HANDHOLE	EACH	10
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	5200
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	7
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	5682
DRILL EXISTING HANDHOLE	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	16
MODIFY EXISTING CONCRETE FOUNDATION	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	87
REMOVE AND RELOCATE EXISTING ELECTRICAL SERVICE	EACH	2
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	2

FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -
ca\pw_work\pwidot\biggsrd\d0261373\0570	11-shr-Springfield_Interconnect.dgn	DRAWN -	REVISED -
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	PLOT DATE = 5/5/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

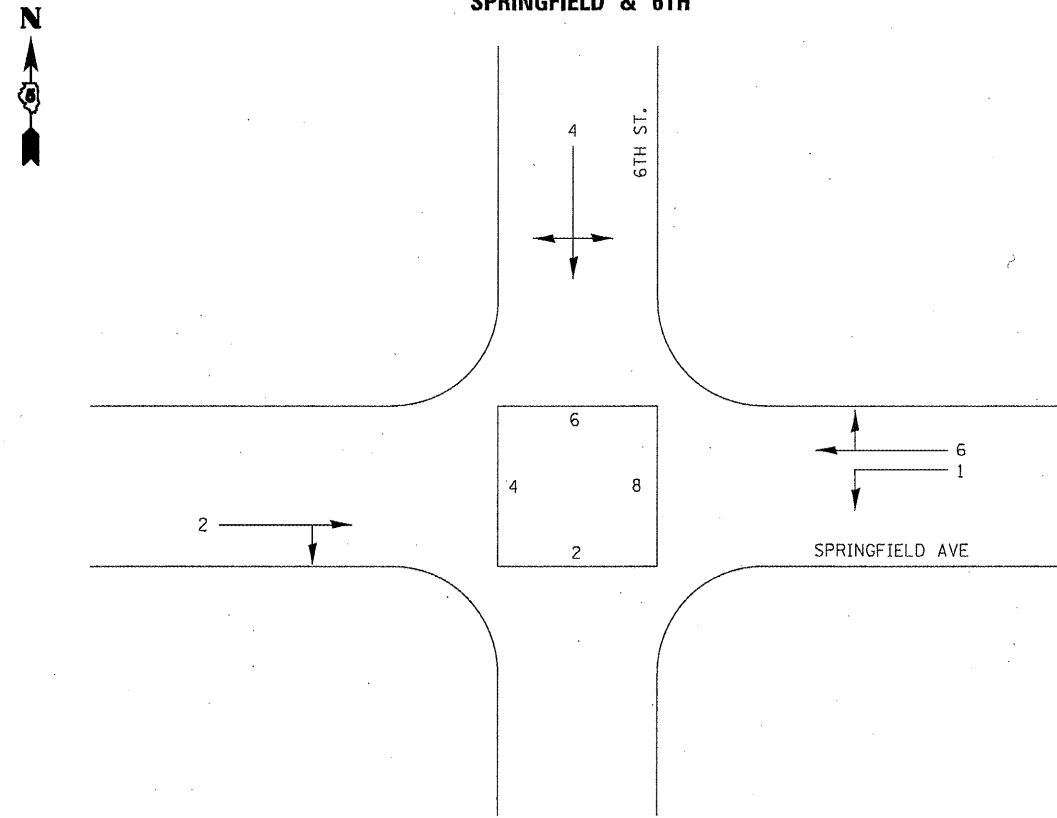
SPRINGFIELD AVE /WRIGHT ST
BILL OF MATERIALS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70911	

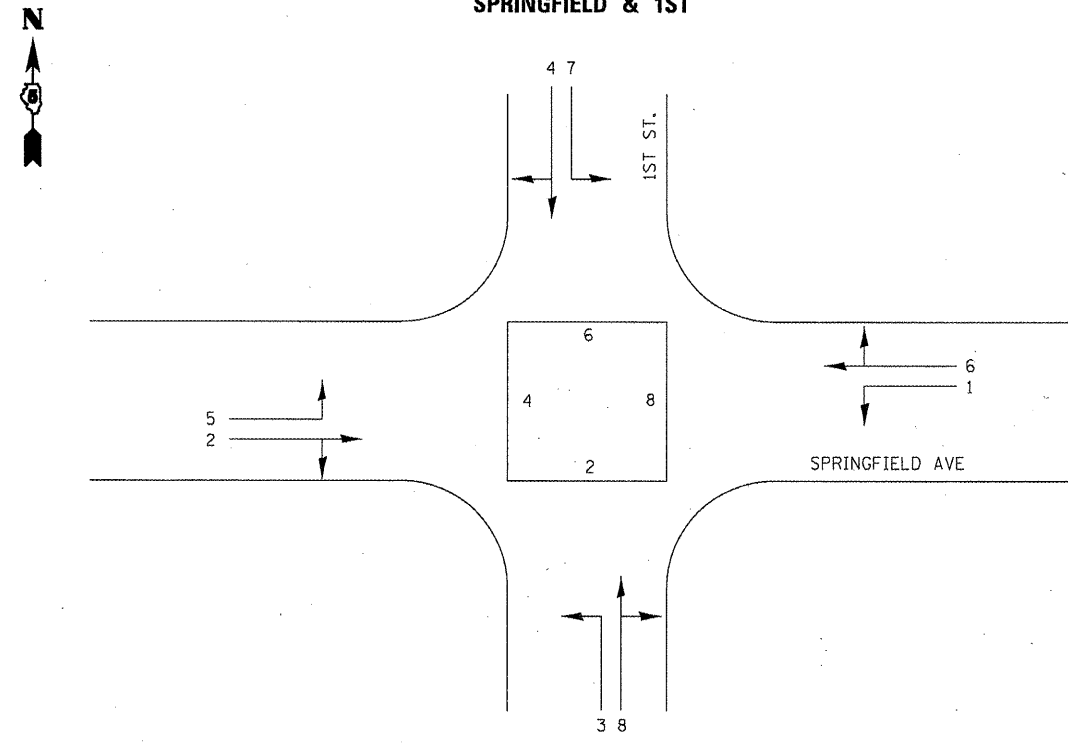
PROPOSED PHASE DESIGNATION DIAGRAM

SPRINGFIELD & 6TH



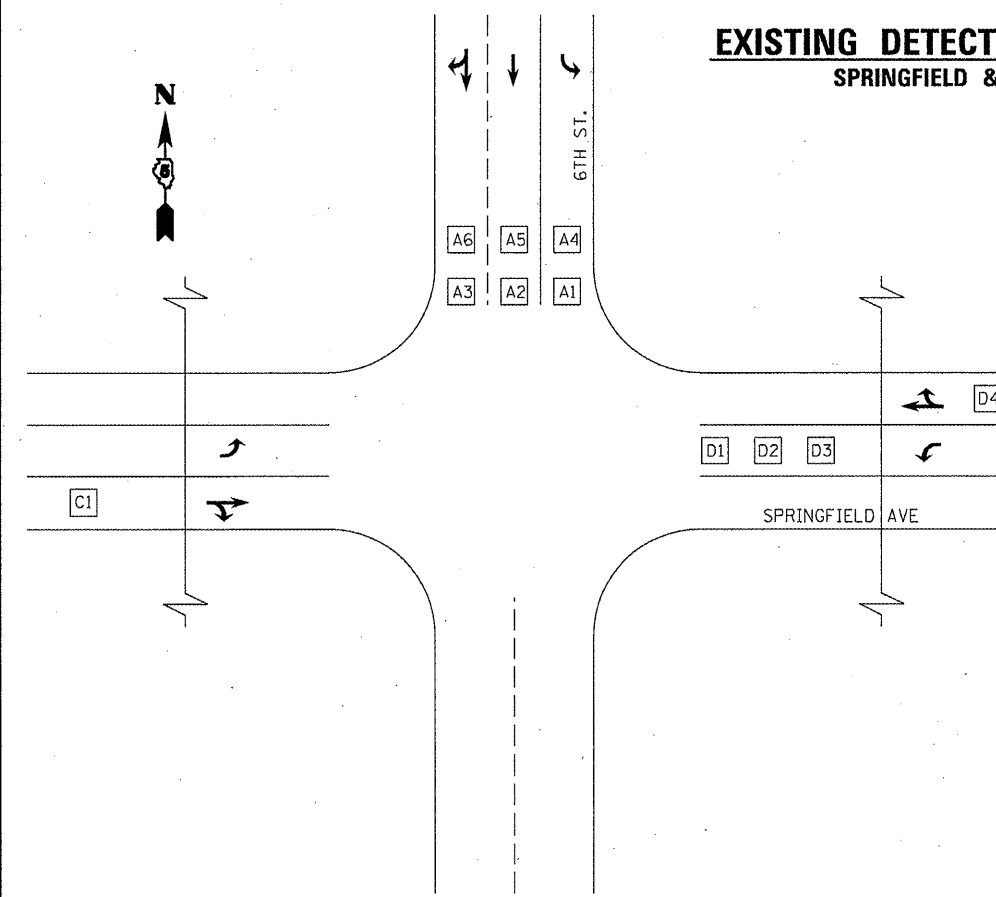
PROPOSED PHASE DESIGNATION DIAGRAM

SPRINGFIELD & 1ST



EXISTING DETECTOR LOOPS

SPRINGFIELD & 6TH

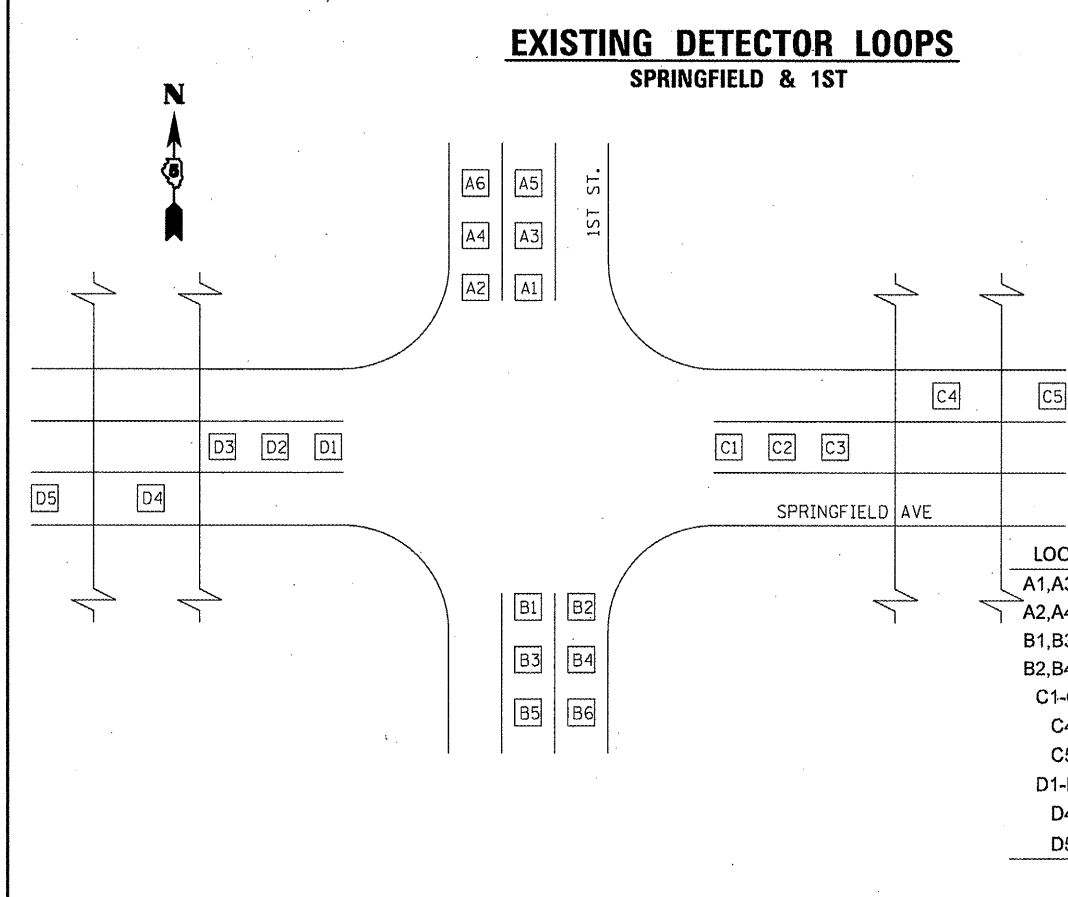


LOOPS	OUTPUT	VEH.PHS.	DELAY/EXTENSION
A1,4	VD4	4	0/0
A2,5	VD4	4	0/0
A3,6	VD4	4	0/0
C1	VD2	2	0/0
D1-3	VD6	1	0/0
D4	VD6	6	0/0

6 AMPLIFIERS REQUIRED

EXISTING DETECTOR LOOPS

SPRINGFIELD & 1ST



LOOPS	OUTPUT	VEH.PHS.	DELAY/EXTENSION
A1,A3,A5	VD7	7	1/0
A2,A4,A6	VD4	4	6/0
B1,B3,B5	VD3	3	1/0
B2,B4,B6	VD8	8	6/0
C1-C3	VD1	1	1/0
C4	VD6	6	0/0
C5	VD6	6	0/0
D1-D3	VD5	5	1/0
D4	VD2	2	0/0
D5	2	2	0/0

10 AMPLIFIERS REQUIRED

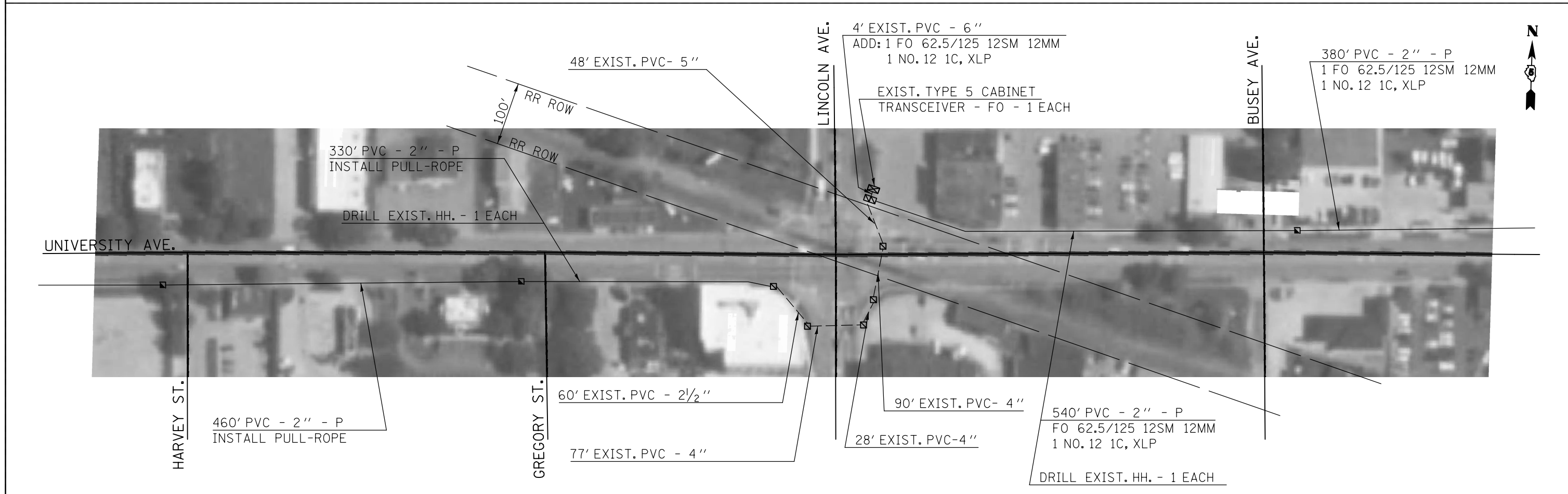
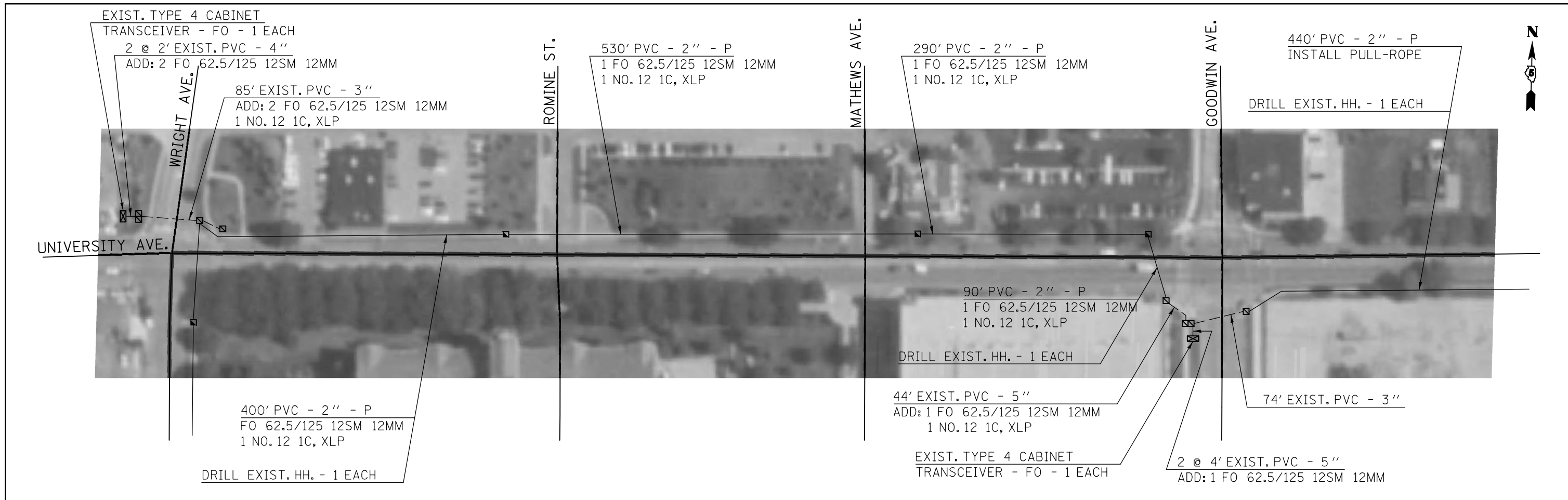
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PLOT DATE = 5/5/2011	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD & 6TH /SPRINGFIELD & 1ST
INTERCONNECT DETAILS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	18
CONTRACT NO. 70911			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UNIVERSITY AVE.			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\p\dot\biggsrd\d0261374\0570911-sht-University_plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	VAR.	FY2011 INTERCONNECT	Champaign	34	19	
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -										CONTRACT NO. 70911
PLOT DATE = 4/12/2011		DATE -	REVISED -										ILLINOIS FED. AID PROJECT

80' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

DRILL EXIST. HH. - 1 EACH

COLET AVE.

ORCHARD ST.

360' PVC - 2" - P
FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

DRILL EXIST. HH. - 2 EACH

MCCULLOUGH ST.

2 @ 3' EXIST. PVC - 4"
ADD: 1 FO 62.5/125 12SM 12MM

EXIST. TYPE 4 CABINET
TRANSCEIVER - FO - 1 EACH

CENTRAL AVE.

LAKE ST.



UNIVERSITY AVE.

94' EXIST. PVC - 4"
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

450' PVC - 2" - P
FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

DRILL EXIST. HH. - 2 EACH

50' EXIST. PVC - 4"
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

2' EXIST. GS - 3"
ADD: 2 FO 62.5/125 12SM 12MM

500' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

DRILL EXIST. HH. - 1 EACH

65' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

470' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

DRILL EXIST. HH. - 1 EACH

2 @ 11' EXIST. PVC - 3"
ADD: 2 FO 62.5/125 12SM 12MM
EXIST. TYPE 4 CABINET
TRANSCEIVER - FO - 1 EACH

EXIST. TYPE 4 CABINET
TRANSCEIVER - FO - 1 EACH

REMOVE GULF BOX JUNCTION
REPLACE WITH HH
RESPLICE LOOPS TO LEAD-IN

LAKE ST.

REMOVE GULF BOX JUNCTION
REPLACE WITH HH
RESPLICE LOOPS TO LEAD-IN

RACE ST.

119' EXIST. PVC - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

77' EXIST. PVC - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

BROADWAY AVE.

45' EXIST. GS - 2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

68' EXIST. GS - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

117' EXIST. GS - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

CUNNINGHAM AVE.

171' EXIST. PVC - 3"
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP



118' EXIST. PVC - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

UNIVERSITY AVE.

103' EXIST. GS - 2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

68' EXIST. PVC - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

152' EXIST. PVC - 4"
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

VINE ST.

5' EXIST. PVC - 2"
ADD: 2 FO 62.5/125 12SM 12MM
PULL: 1 NO. 18 3PR, COMM.

165' EXIST. PVC - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

140' EXIST. PVC - 1 1/2"
PULL: 1 NO. 18 3PR, COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

43' EXIST. PVC - 1 1/2"
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

55' EXIST. PVC - 2"
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

5' EXIST. PVC - 3"
PULL: 1 NO. 18 3PR, COMM.
ADD: 2 FO 62.5/125 12SM 12MM
REMOVE EXIST. CONT. & CAB. = 1 EACH
MODIFY EXIST. CONC. FDN. = 1 EACH
FAC. & CAB. TYPE 4 = 1 EACH
TRANSCEIVER - FO = 1 EACH
REM. & REL. EXIST. SERV. INSTAL. = 1 EACH

REMOVE EXIST. CONT. & CAB. = 1 EACH
MODIFY EXIST. CONC. FDN. = 1 EACH
FAC. & CAB. TYPE 4 = 1 EACH
TRANSCEIVER - FO = 1 EACH
SERV. INSTAL. TY. A (MOD.) = 1 EACH

EXIST. TYPE 4 CABINET
TRANSCEIVER - FO - 1 EACH

2 @ 9' EXIST. PVC - 5"
PULL: 1 NO. 18 3PR, COMM.
ADD: 2 FO 62.5/125 12SM 12MM

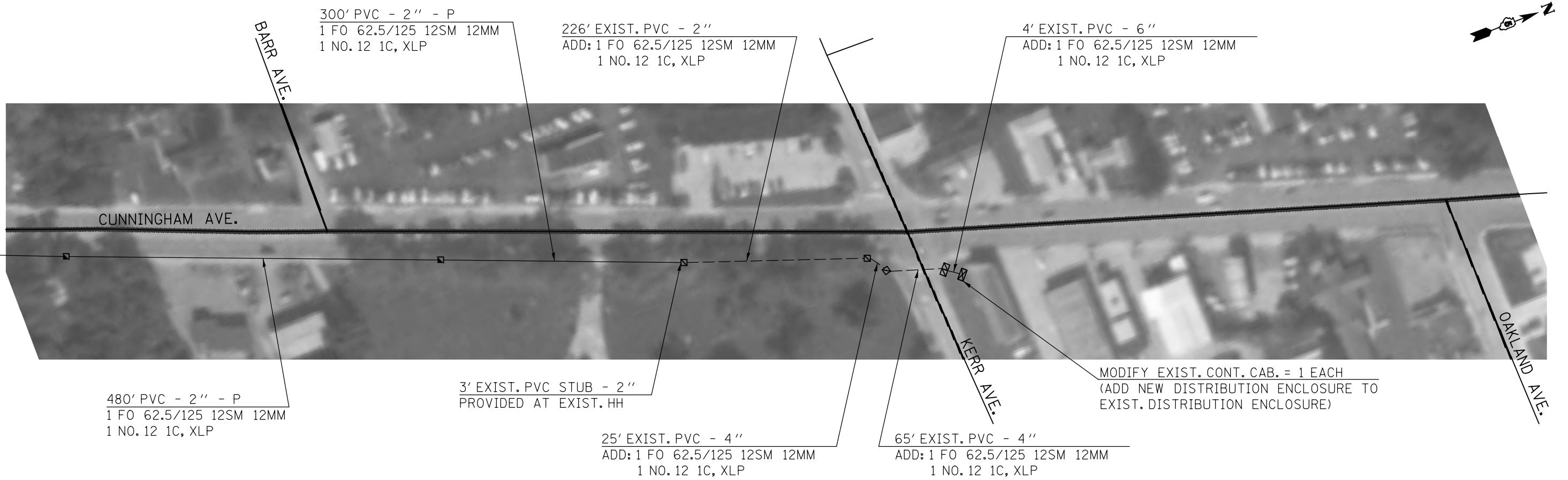
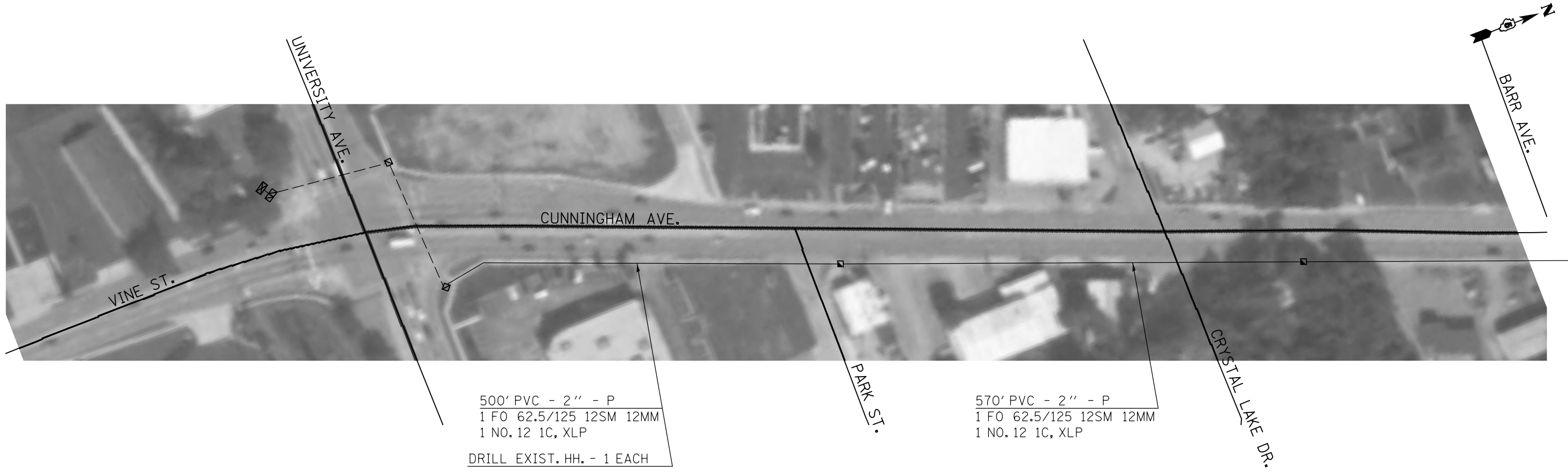
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNIVERSITY AVE.

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	20
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				



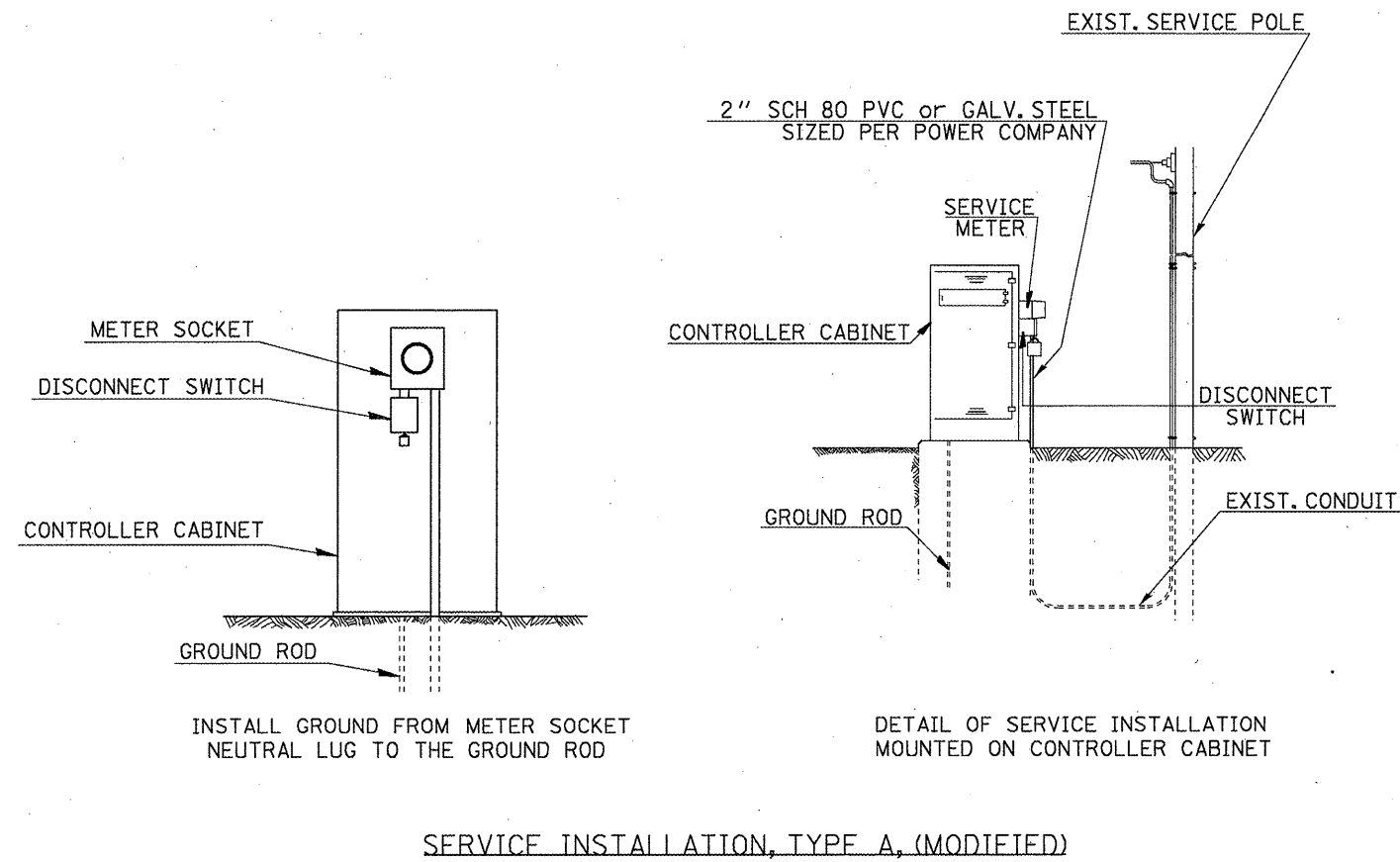
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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 4/12/2011		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CUNNINGHAM AVE.			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	21
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				

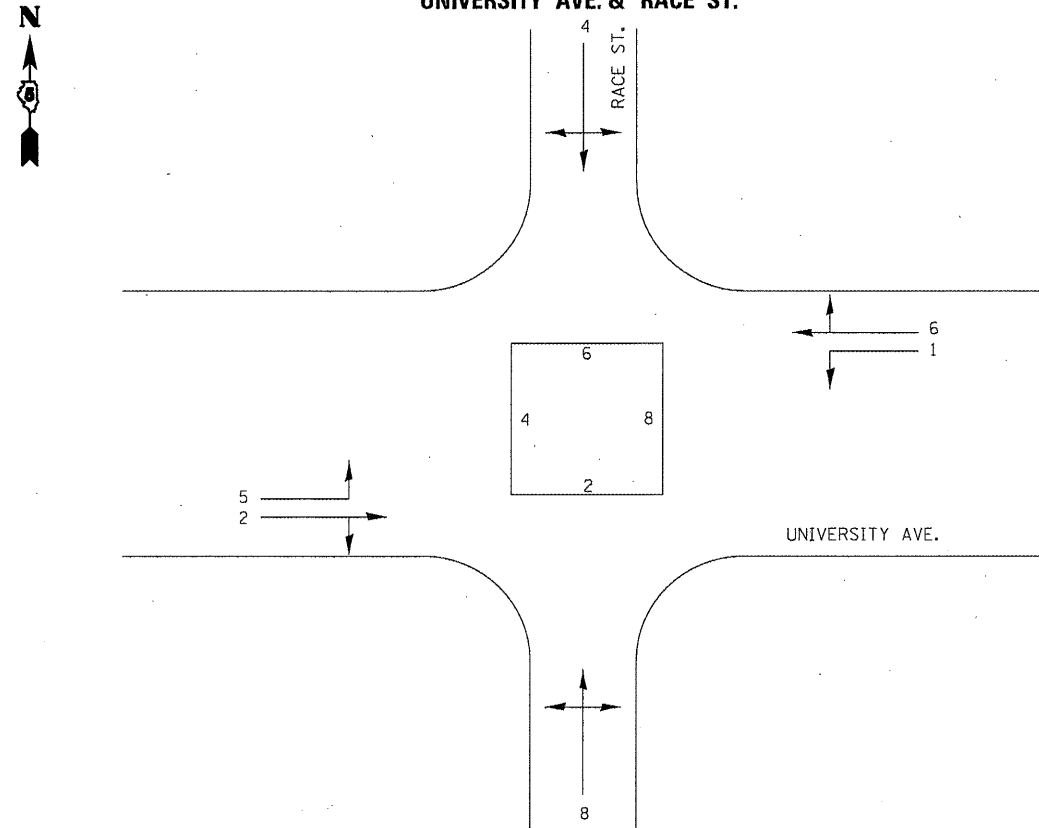
BILL OF MATERIALS
UNIVERSITY AVE – WRIGHT ST TO CUNNINGHAM AVE
CUNNINGHAM AVE – UNIVERSITY AVE TO KERR AVE



ITEM	UNIT	QUANTITY
CONDUIT PUSHED, 2" DIA., PVC	FOOT	7235
HANDHOLE	EACH	14
GULFBOX JUNCTION REMOVAL	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	8124
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	9
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	8573
DRILL EXISTING HANDHOLE	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	19
MODIFY EXISTING CONTROLLER CABINET	EACH	1
MODIFY EXISTING CONCRETE FOUNDATION	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1143
REMOVE AND RELOCATE EXISTING ELECTRICAL SERVICE	EACH	1
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	2

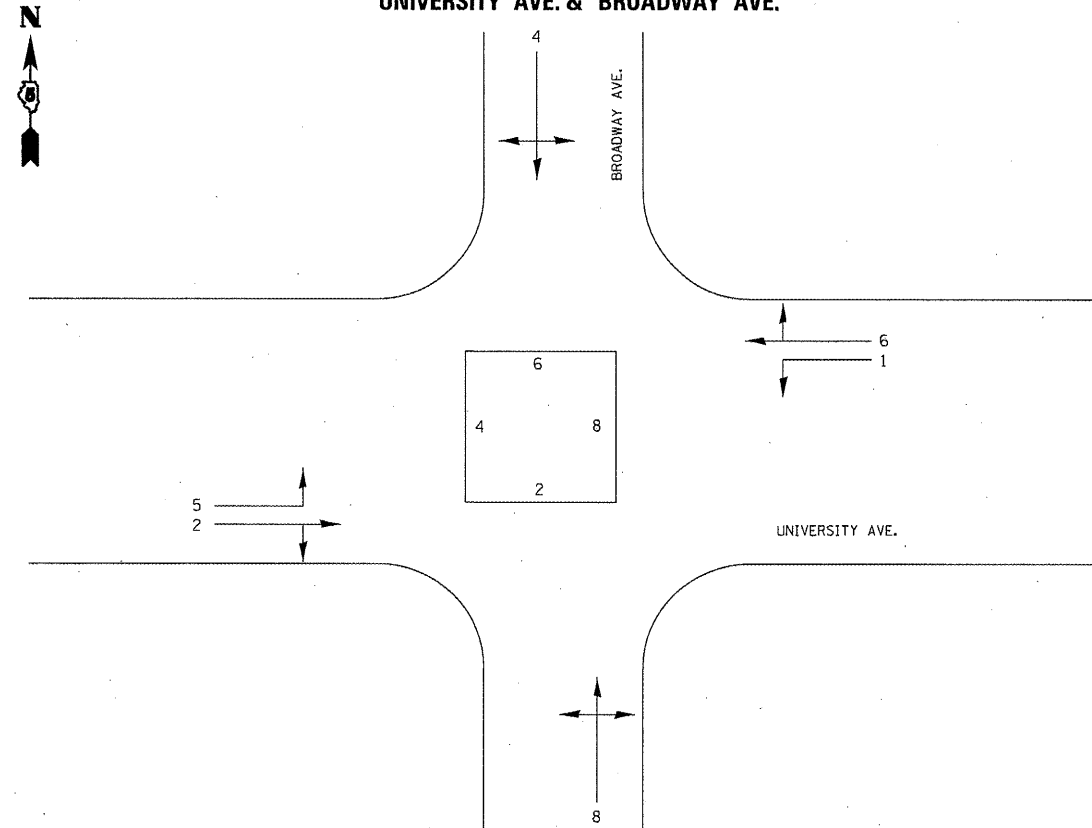
PROPOSED PHASE DESIGNATION DIAGRAM

UNIVERSITY AVE. & RACE ST.



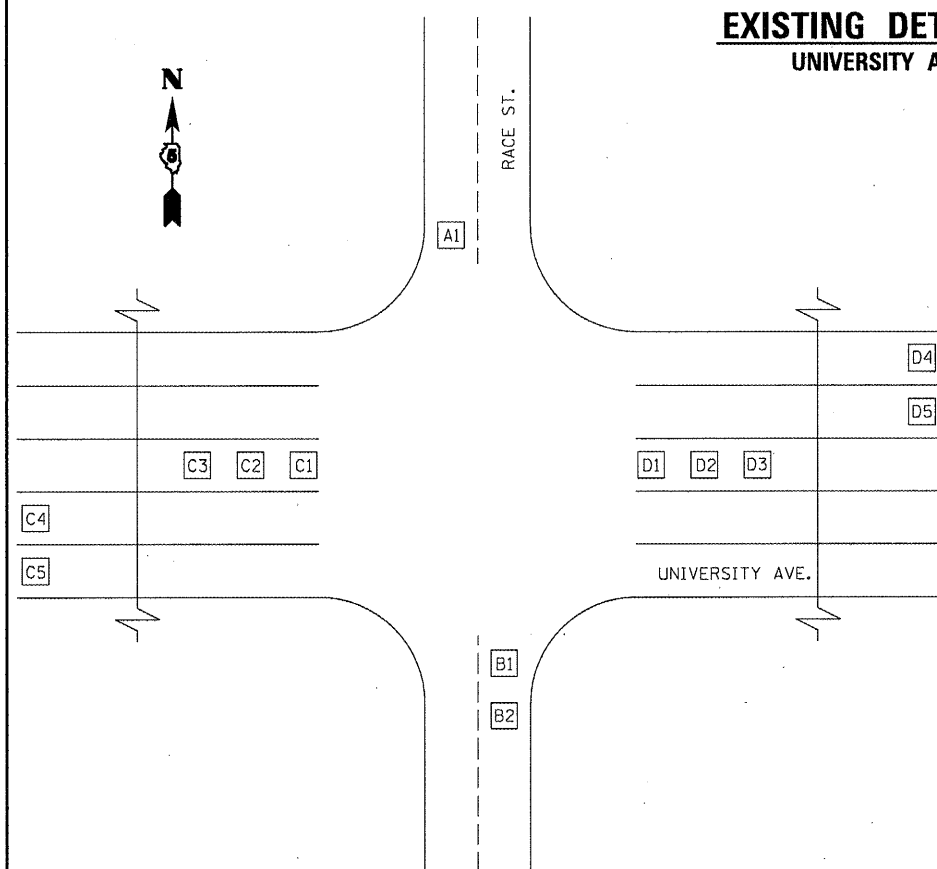
PROPOSED PHASE DESIGNATION DIAGRAM

UNIVERSITY AVE. & BROADWAY AVE.



EXISTING DETECTOR LOOPS

UNIVERSITY AVE. & RACE ST.

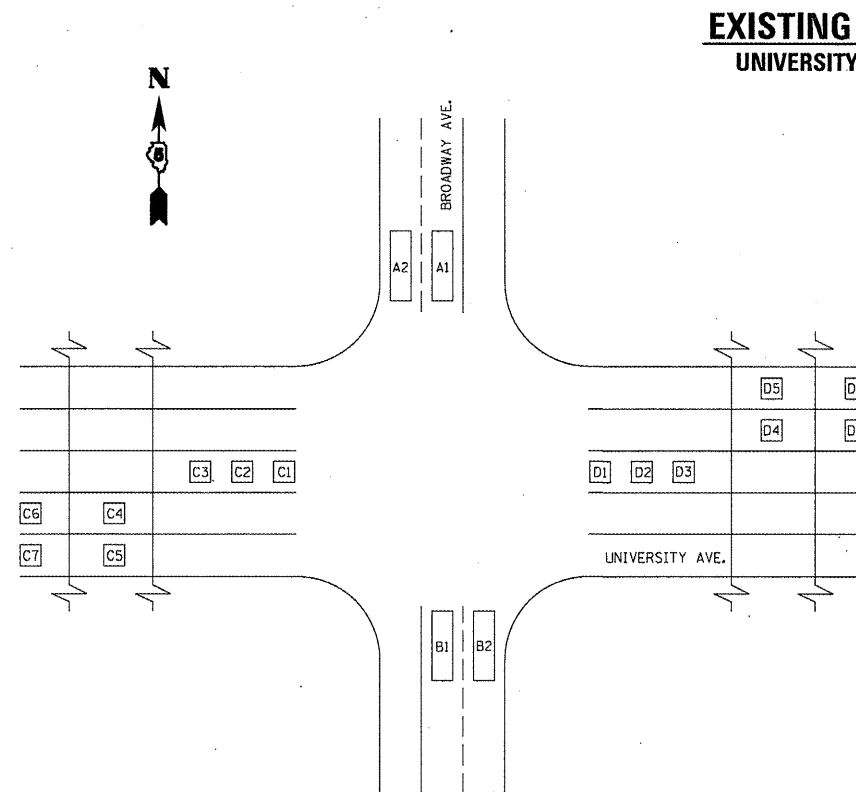


LOOPS	OUTPUT	VEH.PHS.	DELAY/EXTENSION
A1	VD4	4	6/0
B1	VD8	8	6/0
B2	SD8	8	0/0
C1-3	VD5	5	1/0
C4	SD1	2	0/0
C5	SD2	2	0/0
D1-3	VD1	1	1/0
D4	SD5	6	0/0
D5	SD6	6	0/0

9 AMPLIFIERS REQUIRED

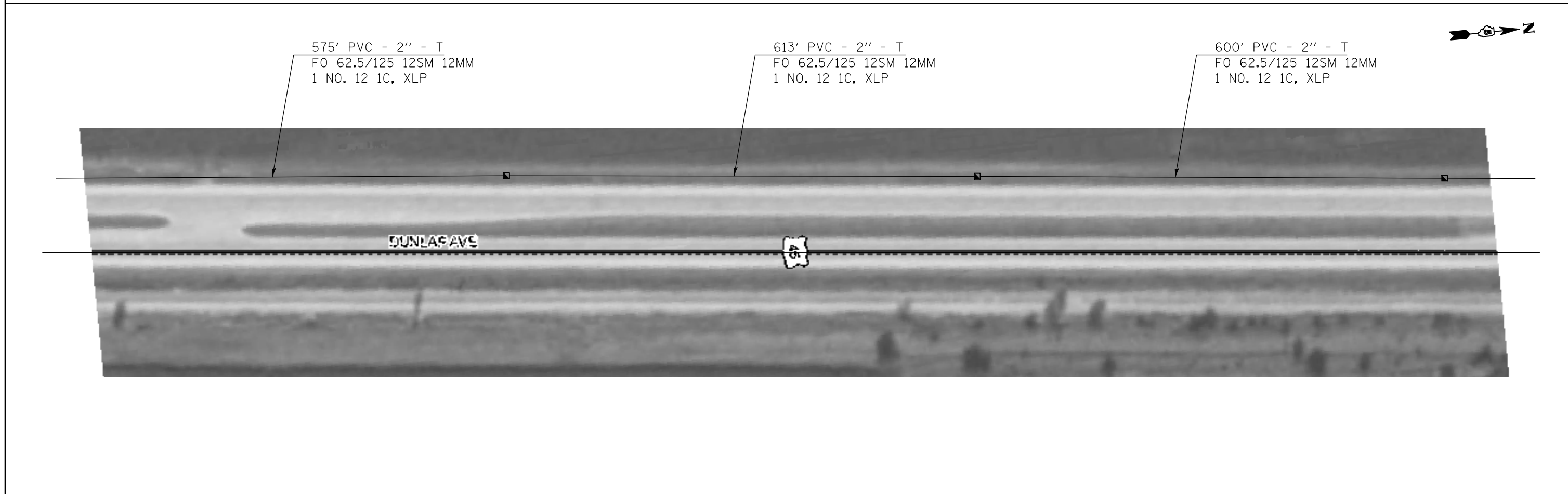
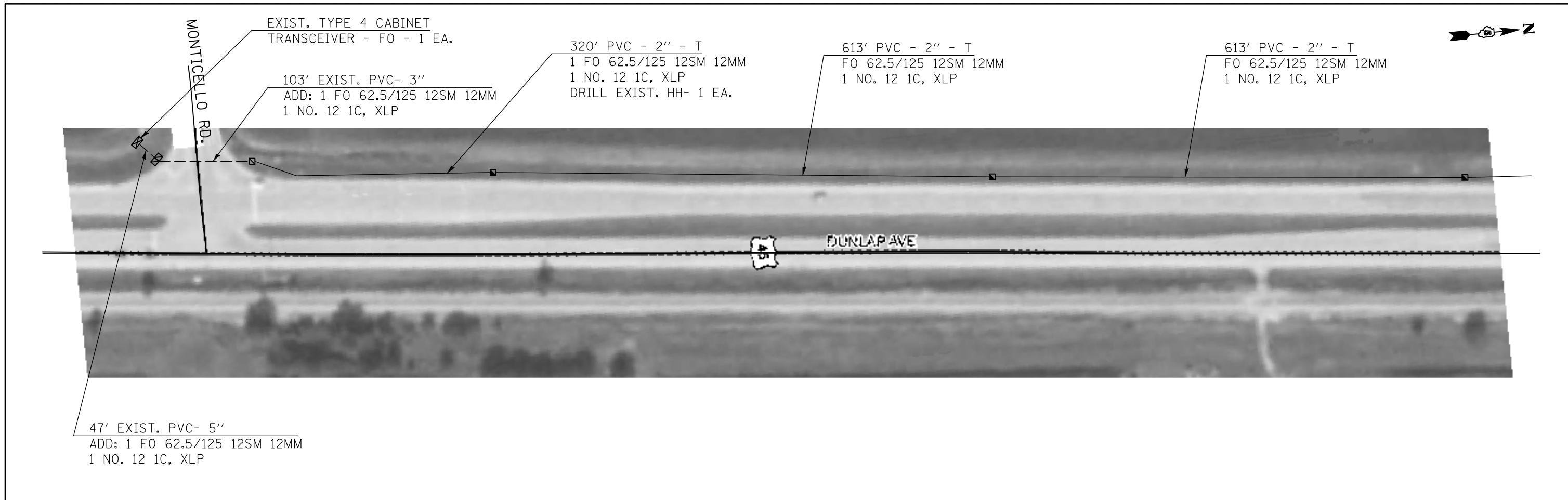
EXISTING DETECTOR LOOPS

UNIVERSITY AVE. & BROADWAY AVE.



LOOPS	OUTPUT	VEH.PHS.	DELAY/EXTENSION
A1	VD4	4	0/0
A2	VD4	4	6/0
B1	VD8	8	0/0
B2	VD8	8	6/0
C1-3	VD5	5	0/0
C4-5	VD2	2	0/0
C6-7	VD2	2	0/0
D1-3	VD1	1	0/0
D4-5	VD6	6	0/0
D6-7	VD6	6	0/0

10 AMPLIFIERS REQUIRED



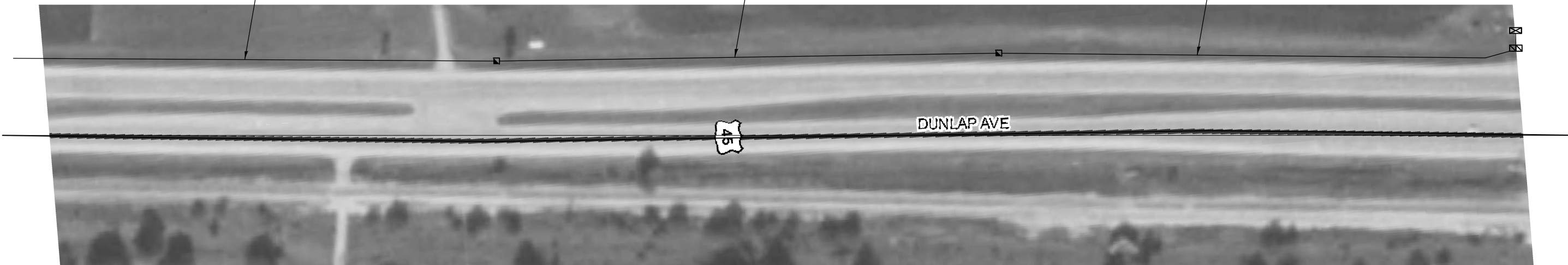
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PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:		SHEET NO. OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 70911
PLOT DATE = 3/25/2011	DATE -	REVISED -	REVISED -									



613' PVC - 2" - T
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

613' PVC - 2" - T
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

613' PVC - 2" - T
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP
 DRILL EXIST. HH- 1 EA.



2 @ 2' EXIST. PVC - 4"
 ADD: 2 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

EXIST. TYPE 4 CABINET *
 TRANSCEIVER - FO - 1 EACH

510' PVC - 2" - T
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP
 DRILL EXIST. HH- 1 EA.

510' PVC - 2" - T
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

480' PVC - 2" - T
 40' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

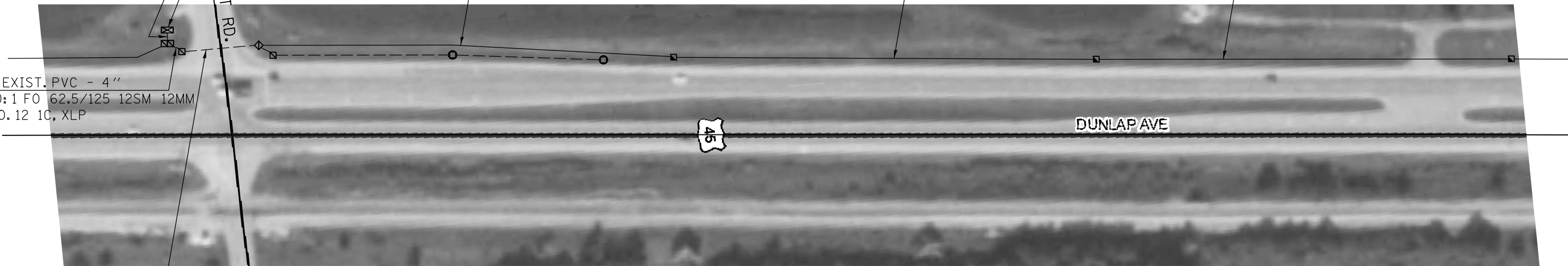


27' EXIST. PVC - 4"
 ADD: 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

AIRPORT RD.

71' EXIST. PVC - 3"
 ADD: 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

* PROVIDE 50' OF FIBER OPTIC CABLE SLACK
 IN BOTTOM OF EXIST. CABINET FOR FUTURE
 CABINET RELOCATION.



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -
ei:\pw\work\p1dot\biggsrd\d0261371\0570011-sht-US45_P1en.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/12/2011	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US 45 (NEIL ST.)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	25
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				



640' PVC - 2" - T
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

615' PVC - 2" - T
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP
 DRILL EXIST. HH- 1 EA.

2 @ 5' EXIST. PVC - 5"
 2 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

EXIST. TYPE 4 CABINET
 TRANSCEIVER - FO - 1 EACH

560' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP
 DRILL EXIST. HH- 1 EA.

WALMART

DUNLAP AVE



CAST-IN-PLACE HANDHOLES
 TO MONTICELLO RD.

144' EXIST. PVC - 3"
 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP



550' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

JONES DR.

640' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP

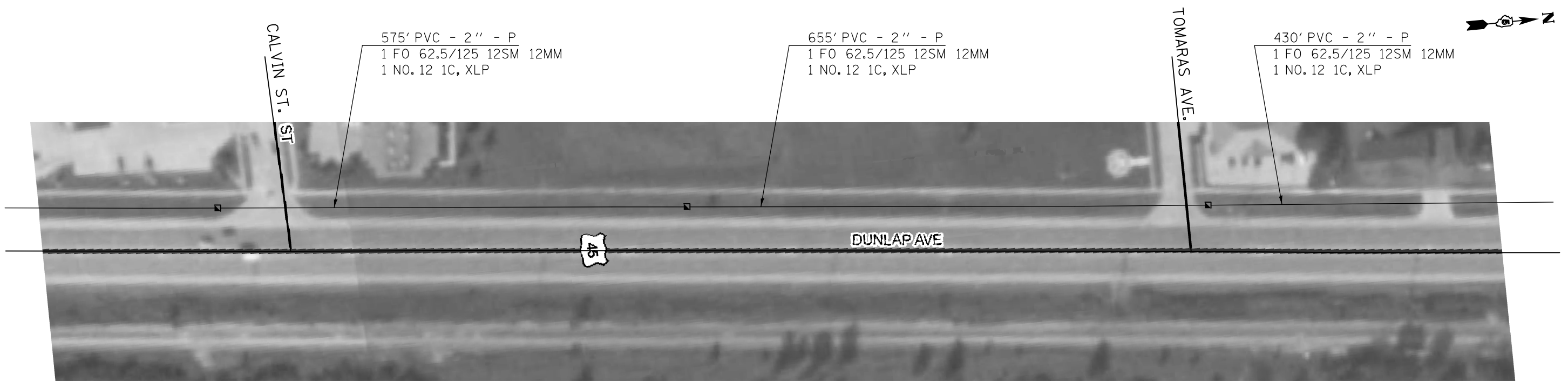
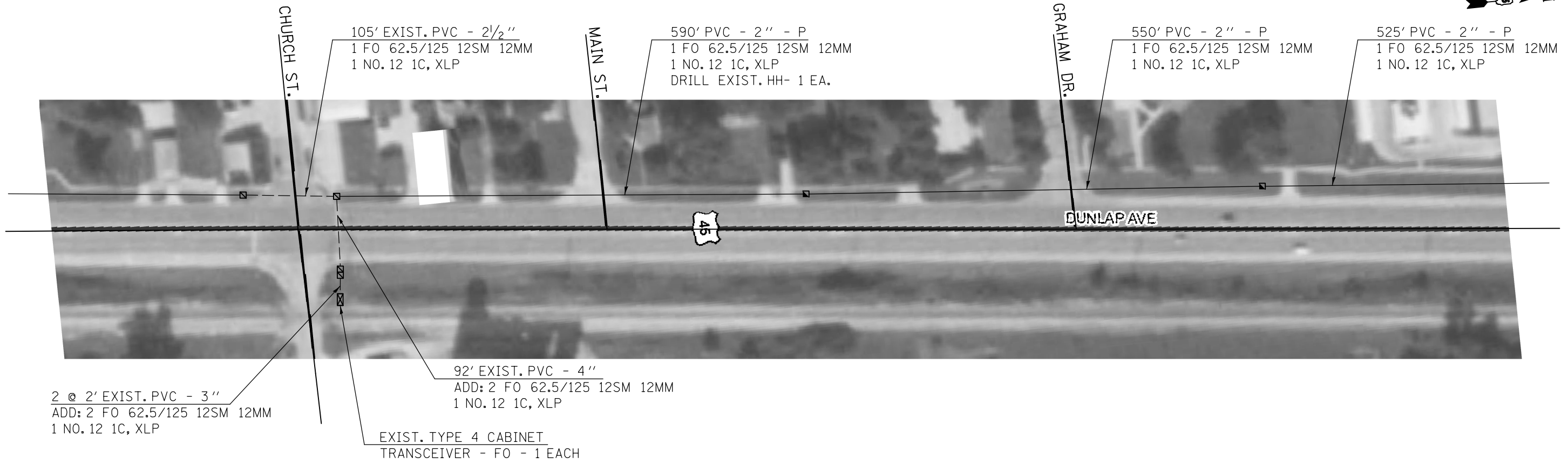
650' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP
 DRILL EXIST. HH- 1 EA.

DUNLAP AVE



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 (NEIL ST.)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		CHECKED -	REVISED -											
		DATE -	REVISED -											

ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -
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	PLOT DATE = 4/12/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 45 (NEIL ST.)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

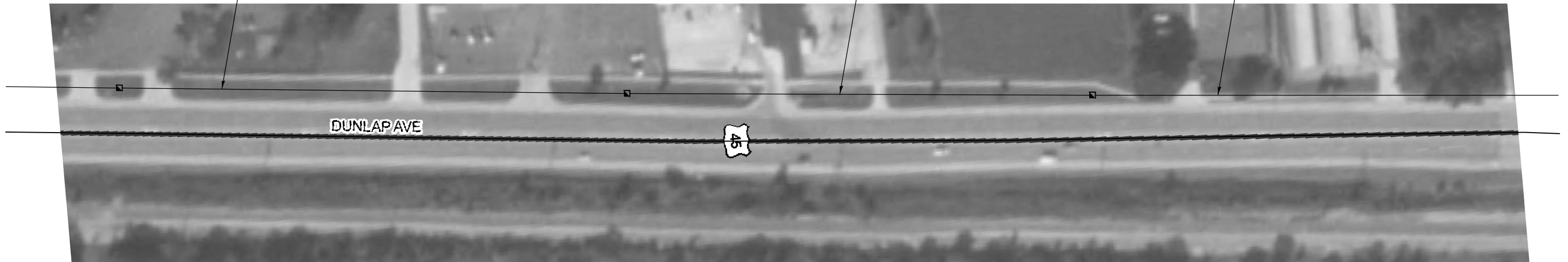
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	27
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				



590' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

575' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

590' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP



DUNLAP AVE



128' PVC - 2" - P
1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP
DRILL EXIST. HH- 1 EA.

CURTIS RD.

8' EXIST. GS - 6"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 2 FO 62.5/125 12SM 12MM

EXIST. TYPE 4 CABINET
TRANSCIVER - FO - 1 EACH

36' EXIST. GS - 1 1/2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

176' EXIST. GS - 1 1/2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

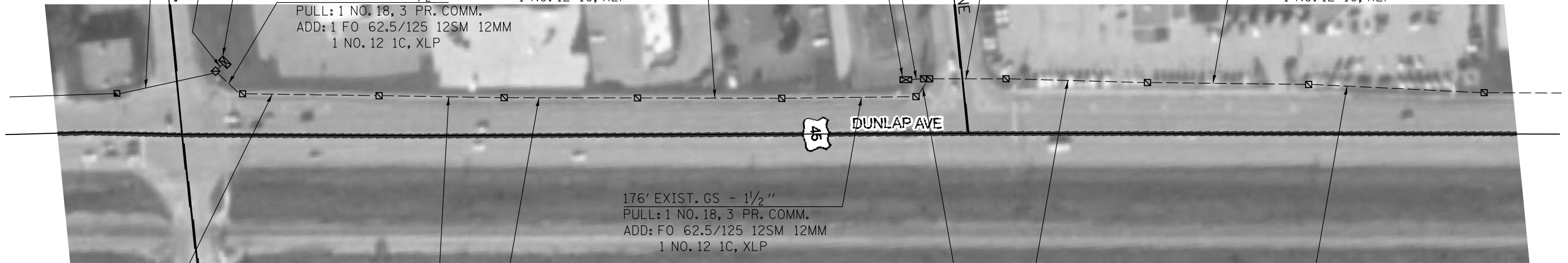
10' EXIST. PVC - 3 1/2"
PULL: 2 NO. 18, 3 PR. COMM.
ADD: 2 FO 62.5/125 12SM 12MM

EXIST. TY. 4 CAB.
TRANSCIVER-FO- 1 EA.

ARBOURTOWNE
ALLEY

106' EXIST. PVC - 3"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

145' EXIST. PVC - 2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP



DUNLAP AVE



169' EXIST. GS - 1 1/2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

145' EXIST. GS - 1 1/2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

176' EXIST. GS - 1 1/2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

176' EXIST. GS - 1 1/2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

32' EXIST. PVC - 2 1/2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

164' EXIST. PVC - 2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

219' EXIST. PVC - 2"
PULL: 1 NO. 18, 3 PR. COMM.
ADD: 1 FO 62.5/125 12SM 12MM
1 NO. 12 1C, XLP

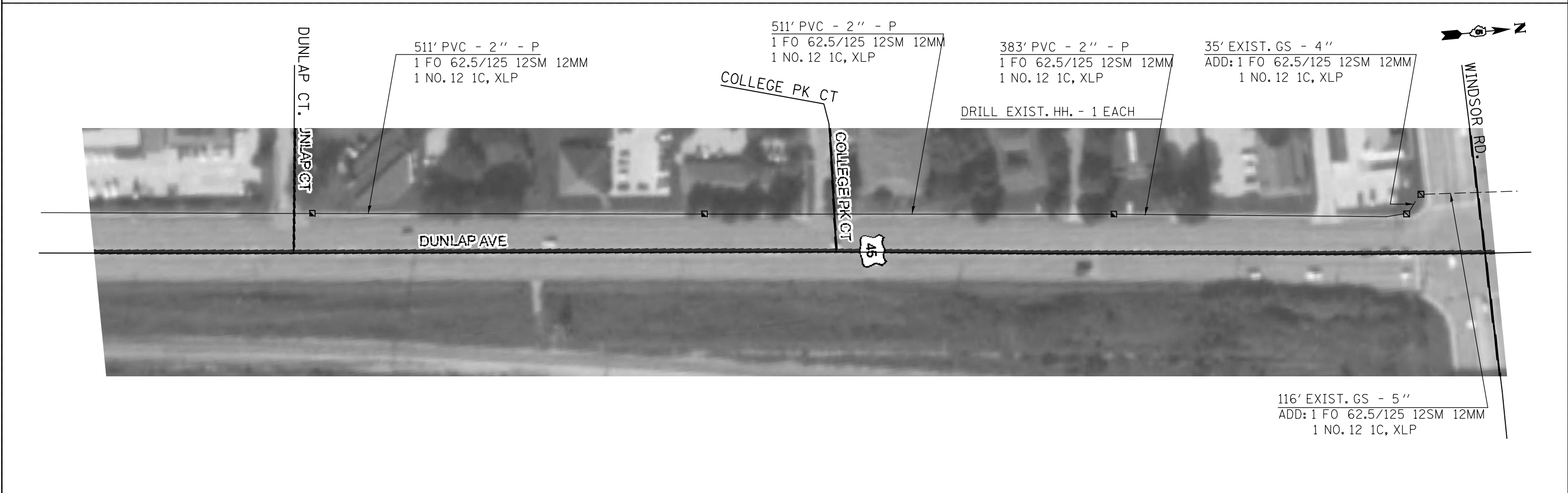
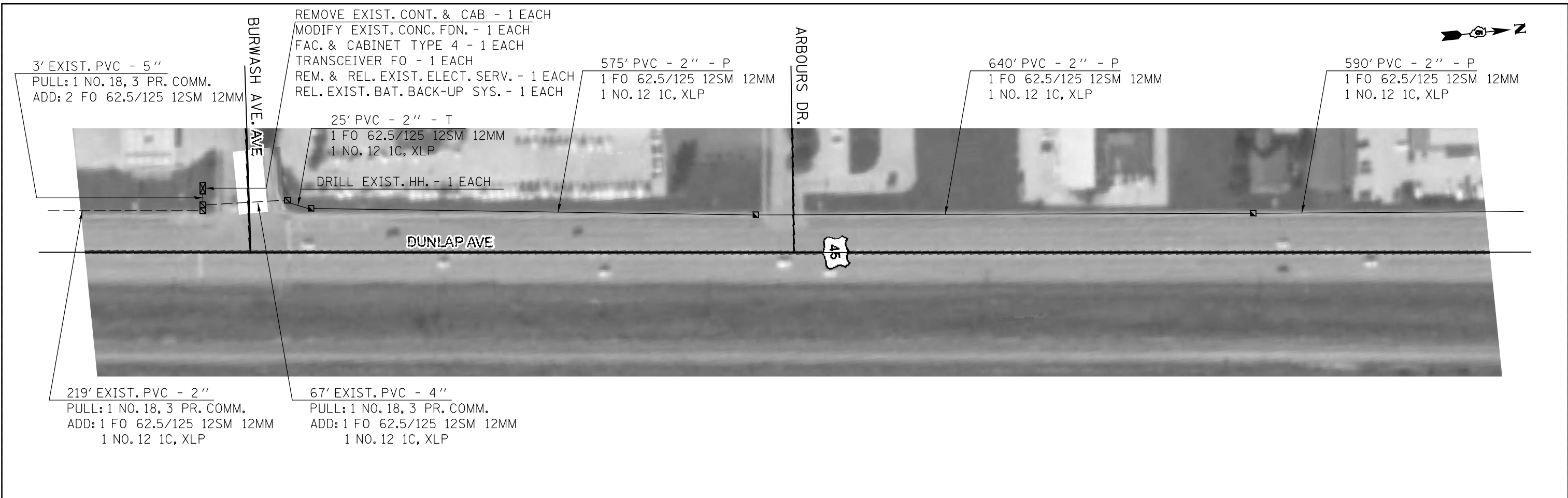
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

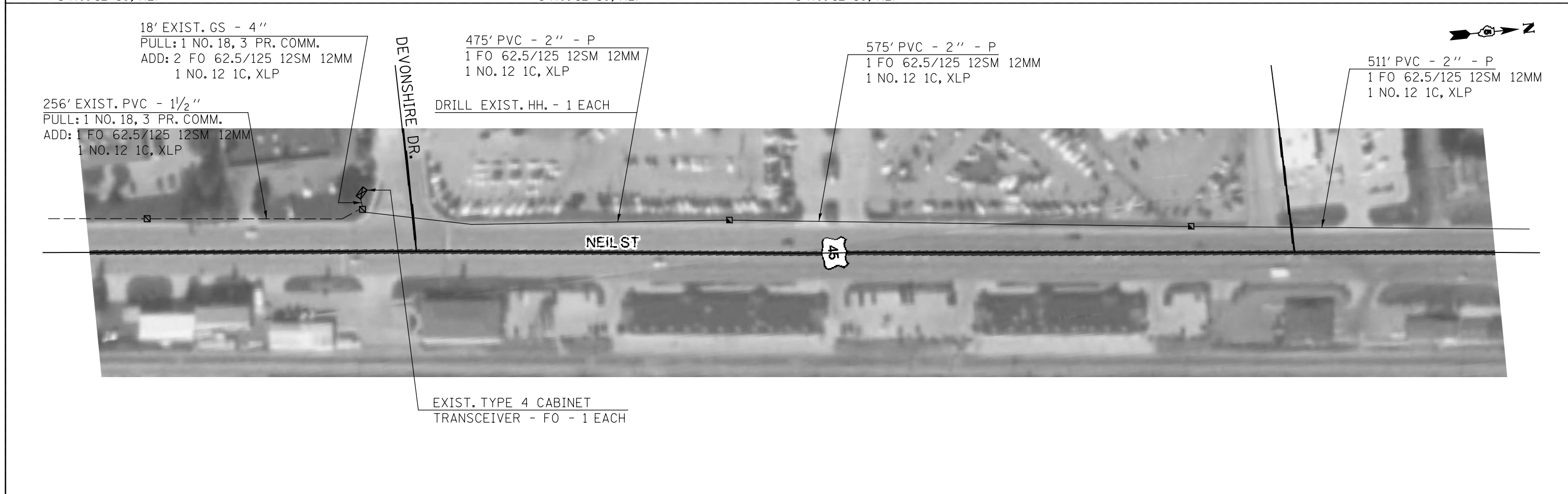
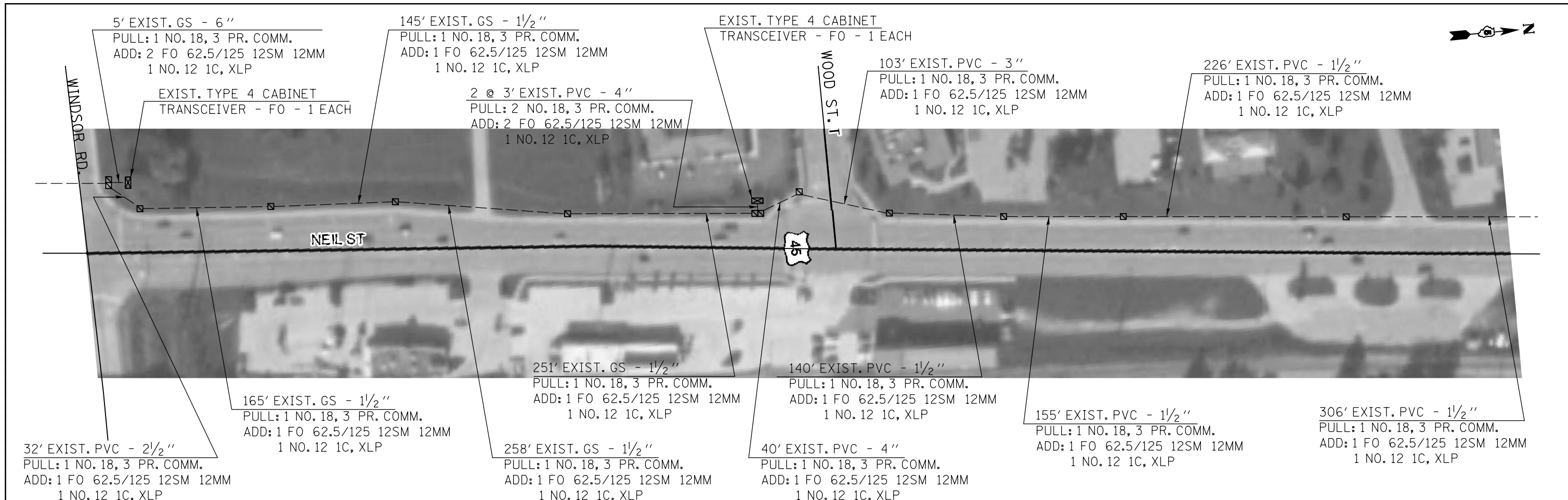
US 45 (NEIL ST.)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	28
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				

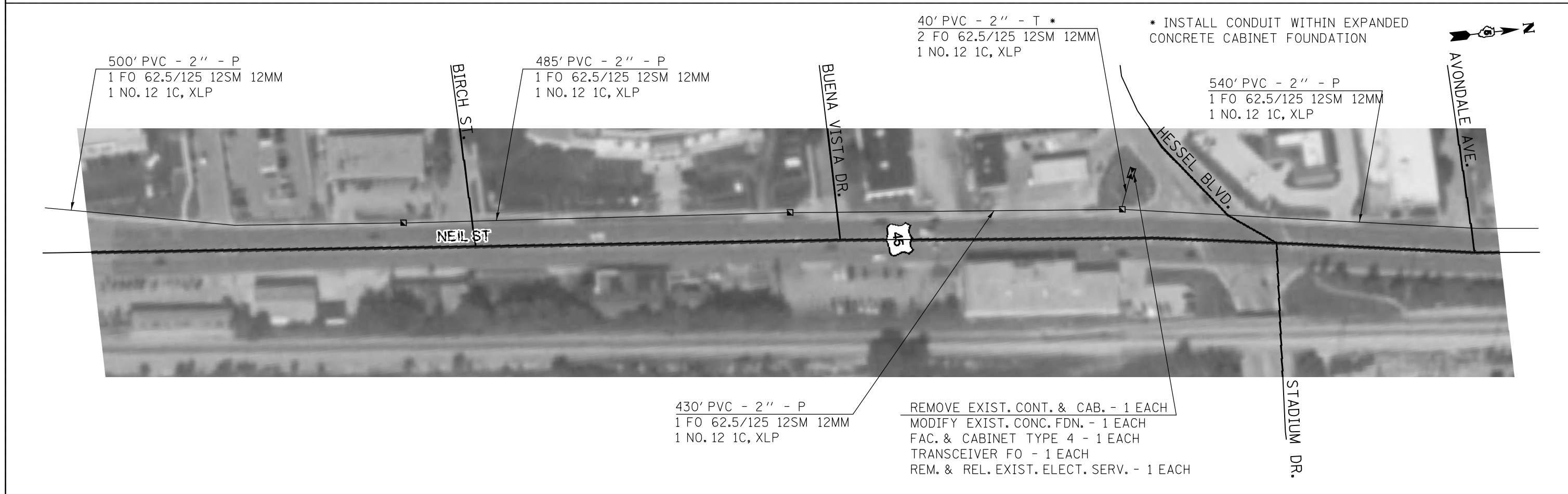
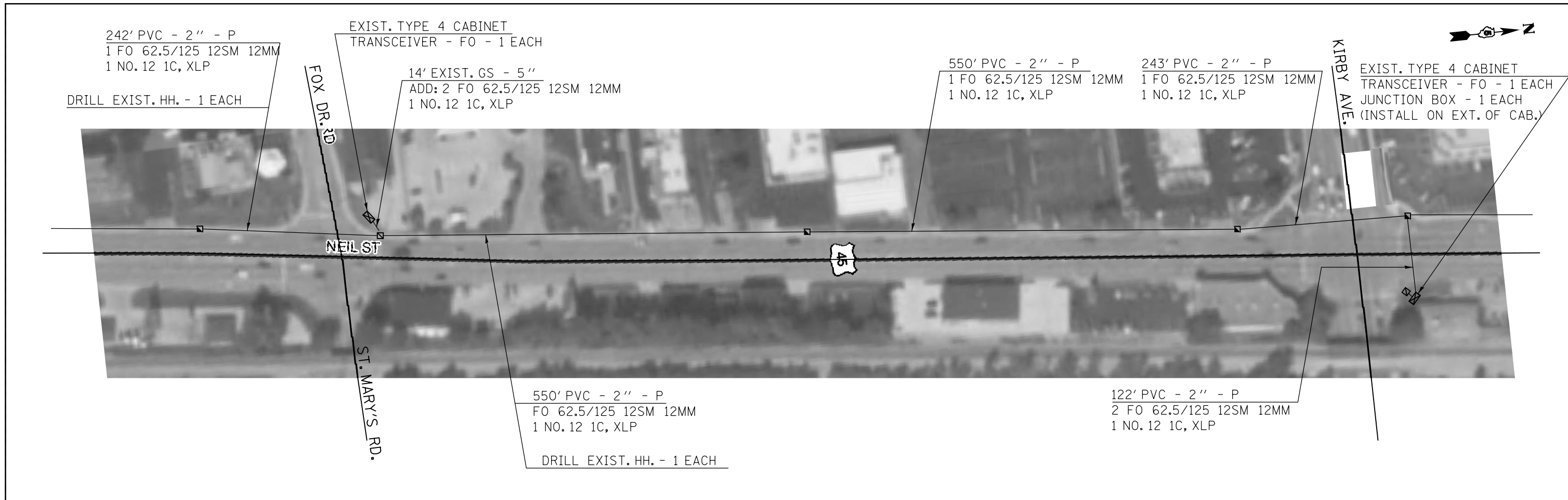


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		CHECKED -	REVISED -									CONTRACT NO.	70911	
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT		

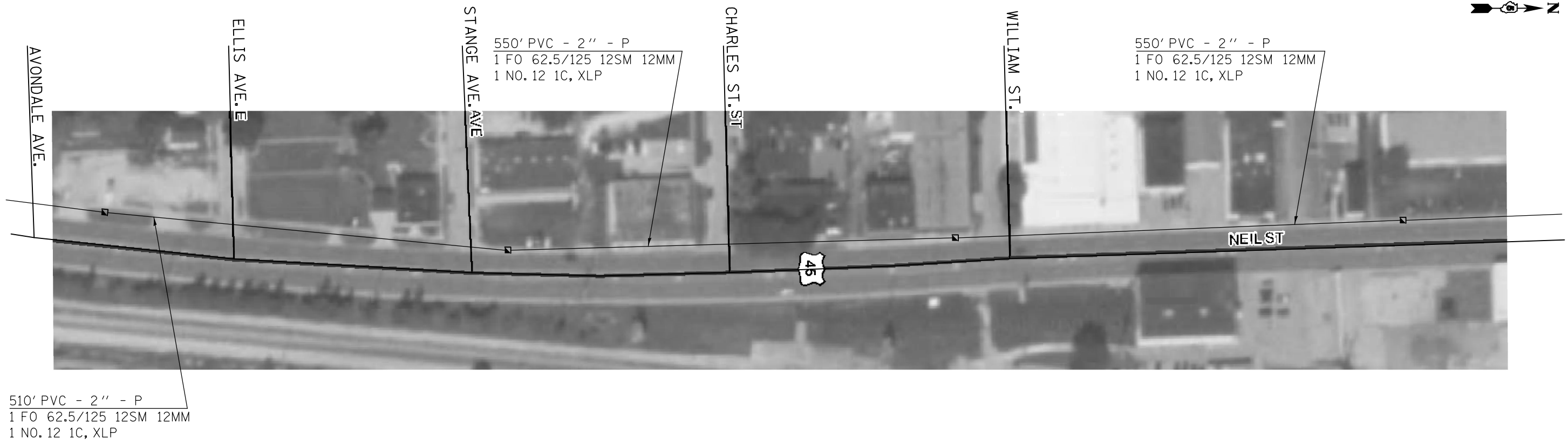
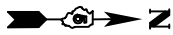


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	PLOT DATE = 4/12/2011	CHECKED -	REVISED -											
		DATE -	REVISED -											CONTRACT NO. 70911

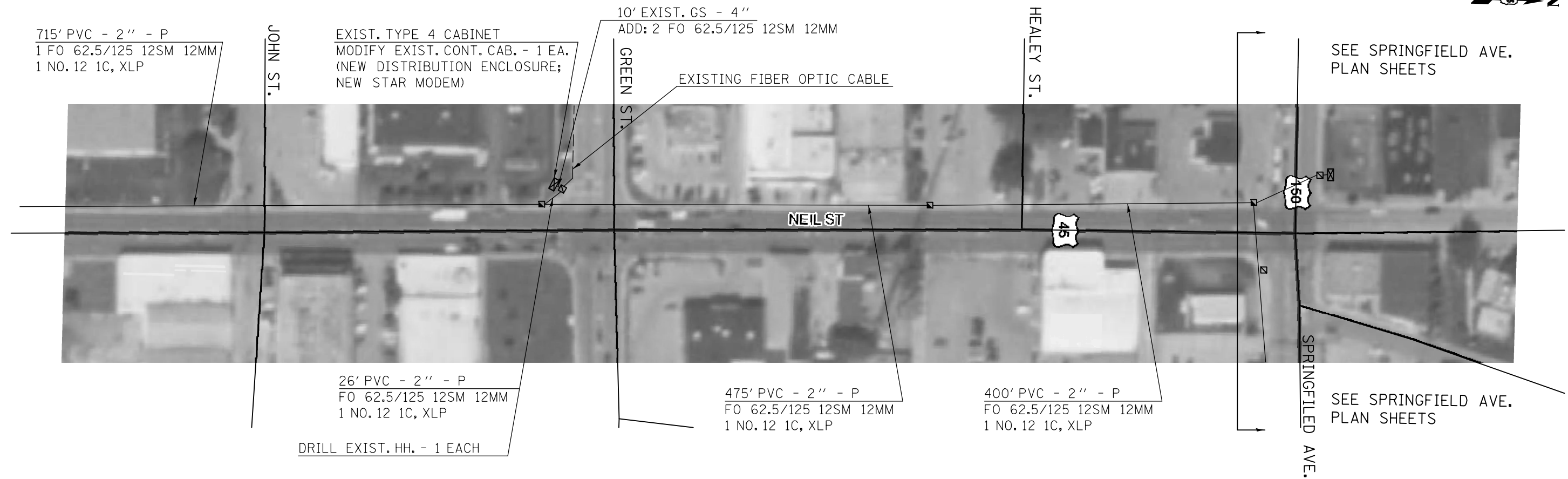
ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 45 (NEIL ST.)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -										CONTRACT NO.	70911
	PLOT DATE = 4/12/2011	DATE -	REVISED -											ILLINOIS FED. AID PROJECT



510' PVC - 2" - P
 1 FO 62.5/125 12SM 12MM
 1 NO. 12 1C, XLP



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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US 45 (NEIL ST.)			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	32
			CONTRACT NO.	70911
ILLINOIS FED. AID PROJECT				

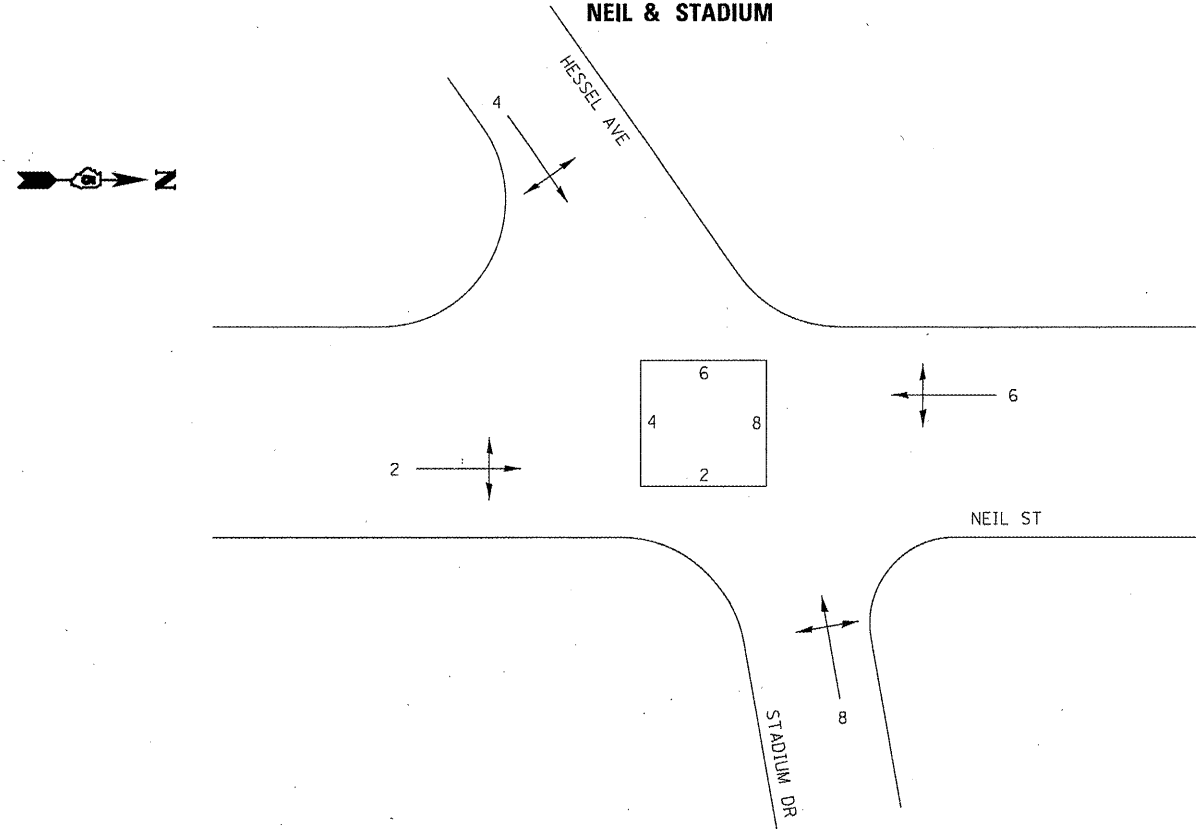
BILL OF MATERIALS
US RTE 45 (DUNLAP AVE /NEIL ST)
MONTICELLO RD TO SPRINGFIELD AVE

ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	8553
CONDUIT PUSHED, 2" DIA., PVC	FOOT	27195
HANDHOLE	EACH	46
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	31623
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	8553
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	13
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	33077
DRILL EXISTING HANDHOLE	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	18
MODIFY EXISTING CONCRETE FOUNDATION	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3528
REMOVE AND RELOCATE EXISTING ELECTRICAL SERVICE	EACH	2
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	2
RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM	EACH	1

FILE NAME =	USER NAME = biggsrd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US RTE 45 (DUNLAP AVE /NEIL ST) BILL OF MATERIALS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 5/5/2011	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

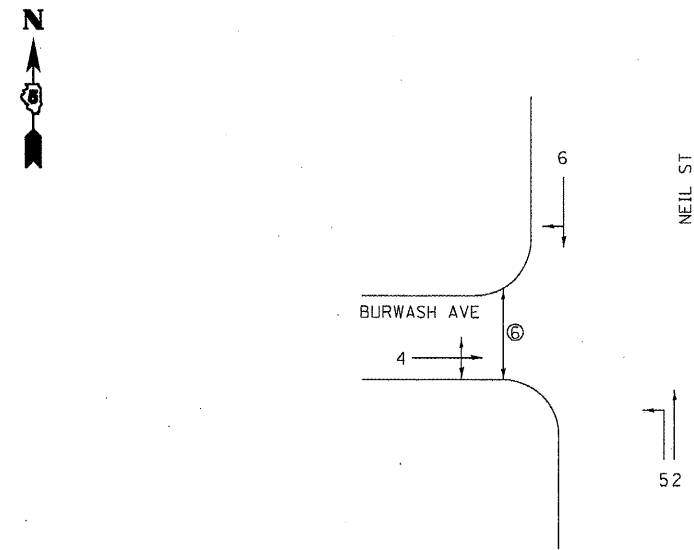
PROPOSED PHASE DESIGNATION DIAGRAM

NEIL & STADIUM



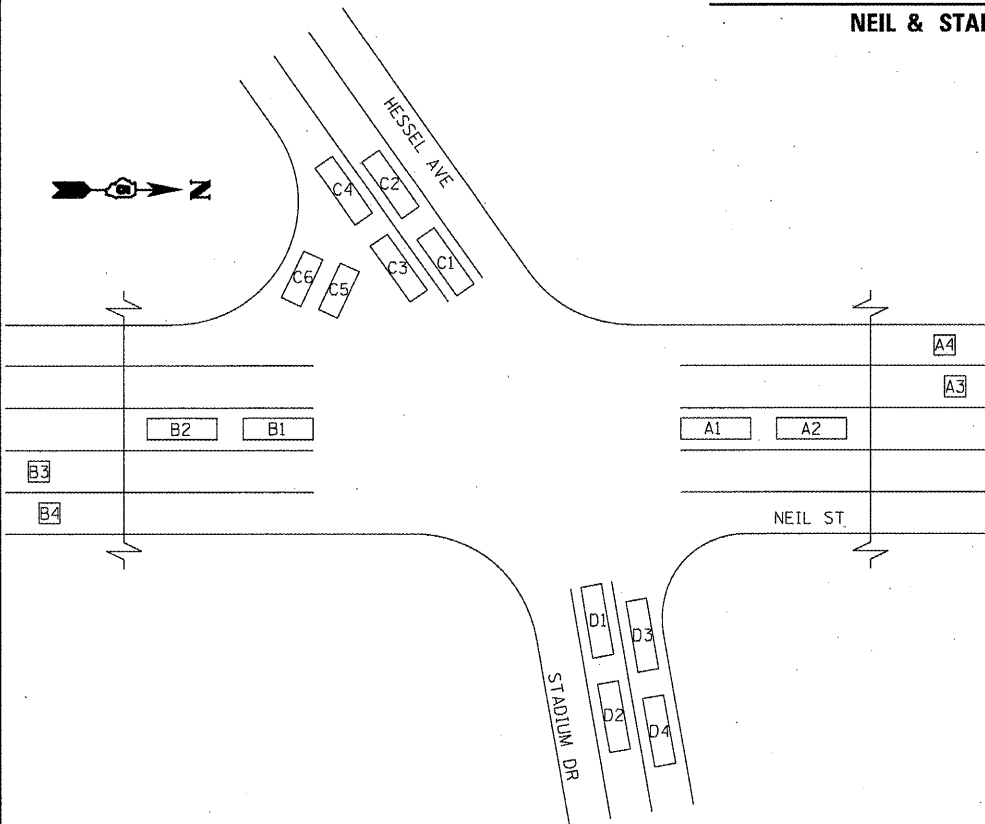
PROPOSED PHASE DESIGNATION DIAGRAM

NEIL & BURWASH



EXISTING DETECTOR LOOPS

NEIL & STADIUM

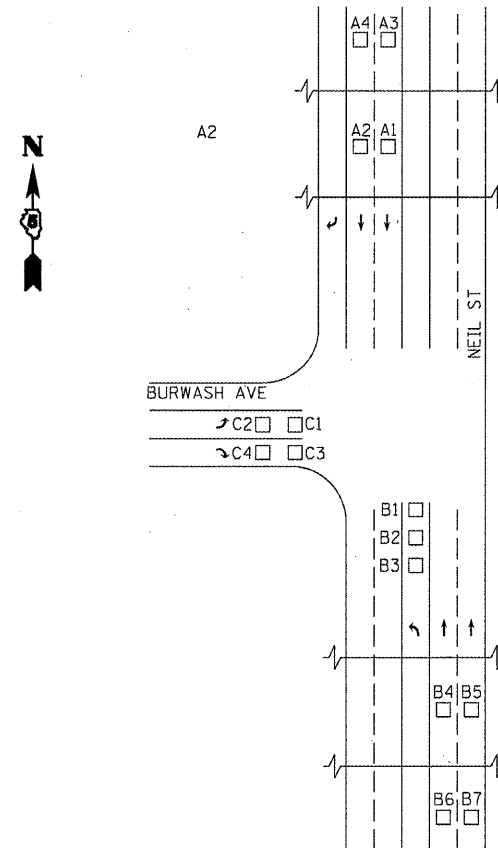


LOOPS	OUTPUT	VEH.PHS.	DELAY/EXTENSION
A1-2	VD1	6	1/0
A3	SD5	6	0/0
A4	SD6	6	0/0
B1-2	VD5	2	1/0
B3	SD1	2	0/0
B4	SD2	2	0/0
C1-2	VD4	4	1/0
C3-4	VD4	4	6/0
C5-6	VD4	4	9/0
D1-2	VD8	8	1/0
D3-4	VD8	8	6/0

11 AMPLIFIERS REQUIRED

EXISTING DETECTOR LOOPS

NEIL & BURWASH



LOOPS	OUTPUT	VEH.PHS.	DELAY/EXTENSION
A1-2	VD6	6	0/0
A3-4	VD6	6	0/0
B1-3	VD5	5	1/0
B4-5	VD2	2	0/0
B6-7	VD2	2	0/0
C1-2	VD4	4	1/0
C3-4	VD4	4	9/0

7 AMPLIFIERS REQUIRED

FILE NAME =	USER NAME = biggard	DESIGNED -	REVISED -
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PLOT DATE = 5/5/2011	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NEIL & STADIUM /US 45 & BURWASH INTERCONNECT DETAILS			
SCALE:	SHEET NO. OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	FY2011 INTERCONNECT	Champaign	34	34
CONTRACT NO. 70911			ILLINOIS FED. AID PROJECT	